Form 9-331 C (May 1963)

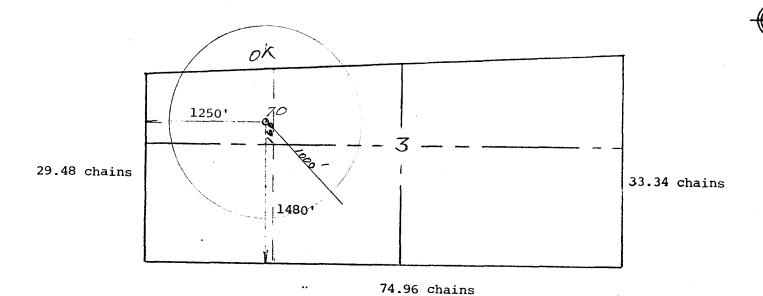
SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES (Other 1 revo

	DEPARIMENT	OF THE I	NIE	RIOR		5. LEASE DESIGNATION	AND SERIAL NO.		
	GEOLO	GEOLOGICAL SURVEY U-39254							
	N FOR PERMIT 1	O DRILL, I	DEEPI	EN, OR PLUG I	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
1a. TYPE OF WORK DRI b. TYPE OF WELL	LL 🖾	DEEPEN !		PLUG BA	ск 🗆	7. UNIT AGREEMENT N	AME		
OIL IVI / GA	S OTHER	4.		INGLE MULTIN	PLE	8. FARM OR LEASE NAM	(E		
2. NAME OF OPERATOR		7 - 382		7Kg LJ 20KB		Ucolo			
Celsius Energ	y Company 3	07				9. WELL NO.			
3. ADDRESS OF OPERATOR						1			
P. O. Box 458	, Rock Springs	, Wyoming	82901	L		10. FIELD AND POOL, O	R WILDCAT		
4. LOCATION OF WELL (Re	eport location clearly and	in accordance wit	th any 8	State requirements.*)		Wildcat√			
NW S	W, 1250' FWL, 1	L480' FSL				11. SEC., T., R., M., OR I	BLK.		
At proposed prod. zon						1 1			
						3-36s-26E,	SLB&M		
	AND DIRECTION FROM NEAD					12. COUNTY OR PARISH			
	20 miles south	n and west			rado	San Juan	Utah		
15. DISTANCE FROM PROPU LOCATION TO NEAREST	?		16. NO	O. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL			
PROPERTY OR LEASE L (Also to nearest drlg	INE, FT. . unit live, if any)	+66 ' *	974	+•33		N/A	•		
18. DISTANCE FROM PROP TO NEAREST WELL, DI			1	ROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS			
OR APPLIED FOR, ON THE	S LEASE, PT.	N/A	580	05' _k v'	İ	Rotary			
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)			9		22. APPROX. DATE WO	BK WILL START*		
GR 6059'						Upon approv	al		
23.	I	ROPOSED CASI	NG ANI	CEMENTING PROGR	AM.	,			
SIZE OF HOLE	SIŽE OF CASING	WEIGHT PER F	00T	SETTING DEPTH	1	QUANTITY OF CEMEN	Jep.		
12-1/4	9-5/8	36		1450'	800 81	s w/2% CaCl &			
8-3/4	7	23		5805'		determined	1/41 1100616		
NOTE: This A Item N	drilling plan. PD also serves O. 2 and to att owners to this within a distar APPF OF	tached map)	• are t	the same as the		ECEIV APR 0 1 198	ED		
cone. If proposal is to operenter program, if any 24.	PROPOSED PROGRAM If I	proposal is a large	en or p	olug back, give data on I	present pro nd measure	DIVISION OF CHINE GAS BY MIN depth d	of productive s. Give blowout		
APPROVED BY	AL, IF ANY:	TIT	LE			DATE	·		





Operator Well name Celsius Energy Company Ucolo Well No. 1 Township 36 South Range 26 East Section Meridian 3 SLM Footages County/State 1250'FWL & 1480'FSL San Juan, Utah Elevation Requested by 6060' Jennifer Head The above plat is true and correct to the best of my knowledge and belief. 13 Jan. '83 Gerald G. Huddleston, L.S.

Utah Exception

Drilling Plan Celsius Energy Company Ucolo Well No. 1 San Juan County, Utah

1. SURFACE FORMATION: Morrison

2 & 3. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:

Entrada	500 ¹
Carmel	635'
Navajo	685' - fresh water
Chinle	1,325'
Shinarup	2,090'
Cutler	2,320'
Honaker Trail	4,000' - possible gas
Paradox	4,730'
Ismay (base 2nd shale)	5,400' - possible gas
Ismay Shale	5,460'
B Zone Shale	
Desert Creek	
Lower Bench, Desert Creek	
Desert Creek Porosity	
Salt	5.800'
Desert Creek Lower Bench, Desert Creek Desert Creek Porosity	5,595' 5,655' 5,705' 5,715' - possible oil 5,800'

4. CASING PROGRAM:

<u>Footage</u>	<u>Size</u>	<u>Grade</u>	Wt.	Condition	Thread	Cement
1,450'	9 - 5 / 8	K-55	36	New	8rd, ST&C	800 sks w/2% Cacl & 1/4#
5,805'	7	K-55	23	New	8rd, ST&C	flocele To be determined

- PRESSURE CONTROL EQUIPMENT: (See attached diagram) Operator's minimum specifications for pressure control equipment requires a 10-inch 3000 psi double gate blowout preventer. Surface casing and all preventer rams will be pressure tested to 2500 psi for 15 minutes using rig pump and mud. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.
- 6. MUD PROGRAM: Gel water base mud from surface to TD.

Sufficient mud materials to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

7. AUXILIARY EQUIPMENT:

- a) Manually operated kelly cock
- b) No floats at bit
- c) Monitoring of mud system will be visual
- d) Full opening floor valve manually operated

8. LOGGING: DIL-SFL and CNL/FDC from surface to TD

TESTING: Two DST's in Honaker Trail, one DST each in Ismay and Desert

Creek

CORING: Desert Creek Porosity from 5700' to 5760'

9. ABNORMAL PRESSURE AND TEMPERATURE: Pressures of 3600 to 3700 psi expected in Desert Creek Porosity, BHT of 140°F.

10. ANTICIPATED STARTING DATE: Upon approval

DURATION OF OPERATION: 23 days

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OPERATOR CELSIUS ENERGY CO	DATE 4-1-83
WELL NAME UCOLO # (
SEC NWSW 3 T 365 R 26 E COUN	ITY SAN JUAN
43-037- 30874 API NUMBER	FED TYPE OF LEASE
POSTING CHECK OFF:	
INDEX HL	
NID PI	
MAP	
PROCESSING COMMENTS:	L WELLE WITHIN 1000
gr <u>v</u>	
APPROVAL LETTER:	
SPACING: A-3 UNIT	CAUSE NO. & DATE
с-3-ь	c-3-c
SPECIAL LANGUAGE:	

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RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
AUTHENTICATE LEASE AND OPERATOR INFORMATION
VERIFY ADEQUATE AND PROPER BONDING
AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
APPLY SPACING CONSIDERATION
ORDER NO
UNIT /10
c-3-b
c-3-c
CHECK DISTANCE TO NEAREST WELL.
CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

6.

CELSIUS ENERGY COMPANY

P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2600

April 4, 1983

State of Utah Division of Oil, Gas and Mining 4241 State Office Building Salt Lake City, UT 84114

Gentlemen:



DIVISION OF OIL, GAS & MINING

Re: Ucolo Well #1 San Juan County, Utah

Celsius Energy Company has filed an Application for a Permit to Drill Ucolo Well #1 at a location in Lot 4 ($NW_4^{\dagger}SE_4^{\dagger}$) of Section 3, Township 36 South, Range 26 East, SLM, San Juan County, Utah. The location filed does not meet the rules and regulations of the State of Utah and we hereby request approval of this exception location for topographic reasons. The well is located in the bottom of a steep-walled canyon and this drill site is the closest possible to the pattern location, and it has been approved by the BLM who control the surface.

The offsetting owners to this exception location are the same as the Working Interest Owners in Ucolo Well #1. Because of an obligation to commence drilling as soon as possible, we would appreciate your earliest approval for this exception.

Very truly yours,

R. E. Pittam

Senior Staff Landman

REP:rh

Requested a more complete c-2.c as par genific Roc'd 4-4-83

April 4, 1983

Celsius Energy Company
P. O. Box 458
Rock Springs, Wyoming 82901

RE: Well No. Ucolo #1
NWSW Sec. 3, T. 36S, R. 26E
1480' FSL, 1250' FWL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer

Office: 533-5771 Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30874.

Sincerely,

Norman C. Stout Administrative Assistant

NCS/as

cc: Oil & Gas Operations

Enclosure

SUBMIT IN TRIPL (Other Instructions on reverse side)

UNITED STATES DEPARTMENT OF THE INTERIOR

Budget	Bureau	No.	42-R1425.

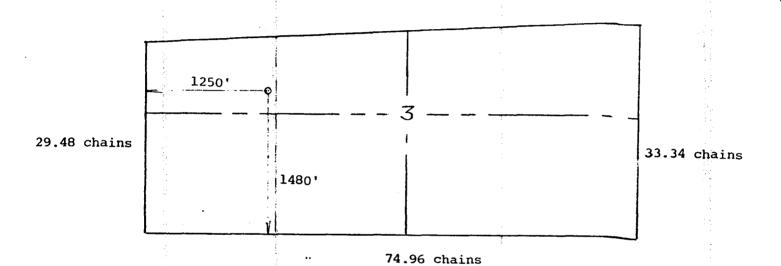
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		OGICAL SURV		<u> </u>			U-3925		TOTO NAME
APPLICATION	Y FOR PERMIT	TO DRILL,	DEEPI	EN, OR R	LUG\ B	A'CK		ILLOITE UK	TRIBE NAME
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2. NAME OF OPERATOR	4	**		Som.			Ucolo		
Celsius Energ	gy Company	15 2		1000			_		
3. ADDRESS OF OPERATOR		•	90003		W/Z		1		
·- ·	Rock Springs		82907		20 / P	Sur-	10. FIRLD AND		'ILDCAT
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PROPERTY OR LEASE I	INE, FT.	466**	974	+ . 33	MA		N/A		77 - 41
18. DISTANCE FROM PROL	OSED LOCATION*		19. PE	OPOSED DEPTH		20. BOTA	RY OR CABLE TO	ols	
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED, IS LEASE, FT.	N/A	580)5'		1	Rotary	•	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)		<u> </u>			:	22. APPROX.	DATE WORK	WILL START*
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See attached	drilling plan.								
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SIGNED									
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CONDITIONS OF APPROV	AL, IF ANT :								
					**				

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80





Operator	Ž.			Well name			
Celsius	Energy	Company	Ucolo Well No. 1				
Section Township R 36 South			Ra	nge 26 East	Meri	dian SLM	
Footages 1250'FW	L & 148	0'FSL		:		County/State San Juan, Utah	
Elevation 6060'		Requested by Jennifer Head					
The above plat is of my knowledge a	nd beli	.ef.	ki	the best Of W. Sudda G. Huddlesto		*************************************	
	,	Uta	h E	xception			

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF CO	OMPANY:		Celsiu	ıs			41.44	
WELL NAME	Uco1	o #1						
SECTION	NWSW 3	_ Townshi	IP36S	RANGE_	26E	_ COUNTY	San Juan	
DRILLING (CONTRAC	TOR Ara	pahoe					
RIG # 2	:							
SPUDDED:	DATE_	4-28-83	· · · · · · · · · · · · · · · · · · ·					
	TIME_	11:00 PM	4					
	How	Rotary						
DRILLING I	WILL CC	MMENCE			•			
REPORTED 1	BY	Kathy						
TELEPHONE	#	307-382-	-9791					
DATE	4-29	-83	r		SIGNED	AS		

SUCT IN TRIPLICATE* (See instructions on reverse side)

DIVISI	ON OF OIL, GAS, AND M	INING	5. LEASE DESIGNATION AND BERIAL NO.
			<u>U-39254</u>
(Do not use this form for propo Use "APPLIC	ICES AND REPORTS Rais to drill or to deepen or plug ATION FOR PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL X GAS OTHER			7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Celsius Energy Compar	У		Ucolo
B. ADDRESS OF OPERATOR			9. WELL NO.
P. O. Box 458, Rock S	•		1.
 LOCATION OF WELL (Report location of See also space 17 below.) At surface 	learly and in accordance with any	State requirements.*	10. FIELD AND POOL, OR WILDCAT
NW SW, 1250' FWL, 148	O! TEST		Wildcat
NW 5W, 1250 FWL, 146	O LOT		11. SRC., T., R., M., OR SLK. AND SUBVEY OR AREA
			3-36S-26E-SLB&M
4. PERMIT NO.	15. SLEVATIONS (Show whether D	F, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
API 43-037-30874	GR 6055' KB 6	067.70'	San Juan Utah
6. Check As	propriate Box To Indicate 1	Nature of Notice, Report, or C	Nebes Date
NOTICE OF INTEN			ERNT REPORT OF:
		Upsaaua	7
	CULTIPLE COMPLETE	WATER SHUT-OFF	REPAIRING WELL
	BANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CASING ABANDONMENT
	HANGE PLANS	(Other) Supplementar	-
(Other)		(NOTE: Report results	of multiple completion on Well etion Report and Log form.) Including estimated date of starting any i depths for all markers and zones perti-
with 400 sacks Howco cement with additives cement in place at 7: DST #1: 4549'-4595'. mins, opened weak to 240 MCF gas, reopened	Lite with additives, , displaced with 110 00 P.M., 5/2/83. Honaker Trail, IO 3 strong in 5 mins, ga weak, recovered 200	ad, ST&C casing at 1419 tailed in with 270 sad barrels fresh water, g O mins, ISI 60 mins, F(s to surface in 19 mins ' gas cut mud, IHP 2150 2135, final gas readin	cks Regular B good returns, O 120 mins, FSI 240 s, 30 mins 148 psi O, IOFP's 150-315,
MAY 1 3 1983 MAY 1 3 1983 MAY 1 3 1983 B. I hereby certify that the foregoing is	true and correct		
SIGNED Q.f. Maus		illing Superintendent	DATE May 10, 1983
(This space for Federal or State office	e use)		
APPROVED BY CONDING MS OF APPROVAL, IF A	NY:		DATE

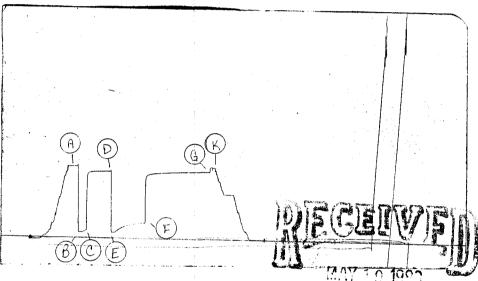
Box 12486 Houston, TX 77017

Contractor_	Arapahoe Drilling
Rig No.	2
Spot	NW-SW
Sec	3
Twp	36S
Rng.	26E
Field	Rug
County	San Juan
State	Utah
Elevation	6068 Ft. K.B.
Formation	Honaker Trail

Top Choke	1/4"
Bottom Choke	
Size Hole	8 3/4"
Size Rat Hole	
Size & Wt. D. P.	4" FH 14.00
Size Wt. Pipe	
I. D. of D. C	2 1/4"
Length of D. C	534 Ft.
Total Depth	5800 Ft.
Interval Tested	4550-4595 Ft.
Type of Test	Bottom Hole
	Conventional

Flow No. 1 Shut-in No. 1 Flow No. 2 Shut-in No. 2_ Flow No. 3 Shut-in No. 3	90 130 240	Min. Min. Min. Min. Min.	Address See Dist
Bottom Hole Temp Mud Weight Gravity Viscosity	8.9		tribution

Tool opened @ 9.06 A



DIVISION OF OIL GAS & MINING

Outside	Recorder
PRD Make Kuster K	-3
No. 23883 Cap.6800	
Press	Corrected
Initial Hydrostatic A	2119
Final Hydrostatic K	2097
Initial Flow B	198
Final Initial Flow C	263
Initial Shut-in D	1986
Second Initial Flow E	189
Second Final Flow F	472
Second Shut-in G	1980
Third Initial Flow H	
Third Final Flow I	
Third Shut-in J	
Extrapolated FSI	2044.5
(Recorder #1622)	(psi)

Lynes Dist.: Rock Springs, WY
Our Tester: Lance Sipma
Witnessed By: Howard Leeper

Did Well Flow - Gas Yes Oil No Water No

RECOVERY IN PIPE:

200 Ft. Total fluid = .98 bbl. 200 Ft. Gas cut mud = .98 bbl.

Blow Description:

1st Flow:

Tool opened with a 1" underwater blow, increased to 9 psi in 5 minutes, increased to 48 psi in 10 minutes, increased to 85 psi in 15 minutes, gas to surface in 19 minutes. See Gas Volume Report.

2nd Flow:

See Gas Volume Report.

Comments: Reservoir calculations are enclosed.

DST No.

No. Final Copies

Celsius Energy Co

Well Name and No. Ucolo

*

E E

Celsius Energy Company

Ucolo #1

DST No.

Operator

Well Name and No.

Comments relative to DST #1 run on Ucolo #1 located at 3-36S-26E in San Juan County, Utah for Celsius Energy Company.

The enclosed calculations were performed by plotting the time pressure data on a semi-log scale and using the slope and extrapolated pressure in the appropriate gas calculations.

The initial shut-in was incremented and plotted but no extrapolation was performed as the pressures stabilized at 2039 psi in $74_{\rm e}$ minutes. The final shut-in extrapolated to 2044 psi and had a slope of 0.439 psi 2 /10 6 . This extrapolated pressure is equivalent to a subsurface pressure gradient of 0.444 psi/ft at the recorder depth of 4595 feet.

The calculated flow capacity of 19.61 md-ft indicates an average effective permeability of 1.78 md over the 11 feet of estimated effective porosity.

The calculated skin factor of 4.98 and the damage ratio of 1.96 indicate that the zone was slightly damaged at the time of this test. This suggests that if the skin could be reduced to zero the zone would be capable of greater production than indicated on this Drill Stem Test.

Please note that these calculations should be used as indicators only since many of the reservoir properties used have been estimated.

T.H. Adams, C.E.T.

Manager Technical Services

*** LYNES INC. ***

Operator....: CELSIUS ENERGY

Well ID..... UCOLO #1
Location..... 3-368-26E

DST Number....: 1 Formation....: -

Type of test....: BOTTOM HOLE CONVENTIONAL

Test interval...: 4550-4595

Recorder number : 1622 Recorder depth : 4595

RESERVOIR CALCULATIONS: Gas calculations based on 2nd shut-in

RESERVOIR PARAMETERS USED:

 Bottom hole temp:
 113.80 deg. F.
 Specific gravity: .680000

 Porosity.....
 12.00 %
 Z factor.....
 .850000

 Net Pay....
 11.00 ft.
 Compressibility: .000250 /p

Flow rate....; 11.00 ft. Compressibility: .000250 /psi
Flow rate....; .019000 cp

Total flowing time....: 160.000 minutes

Final flowing pressure: 525.000 psi Horner Extrapolation...: 2044.503 psi

Assumed drainage radius: 2980.000 ft. Wellbore radius..... 365 ft.

RESULTS:

Effective permeability....(k)..: 1.7831 md

Flow capacity......(kh)..: 19.6146 md-ft

Transmissibility.....(kh/u)..: 1032.3481 md-ft/cp

Skin.... 4.9878

Pressure drop across skin..... 950.2318 psi

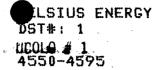
Damage ratio..... 1.9482

Absolute Open Flow...(ADF)....: 606.9621 mcfd

AOF with damage removed..... 1182.4780 mcfd

Estimated stabilized ADF..... 756.0507 mcfd

Radius of investigation....: 83.7603 ft.



Location: 3-369-26E

Test Type: BOTTOM HOLE CONVENTIONAL Formation: -

Recorder Number: 1622

Recorder Depth: 4595 ft.

TIME-PRESSURE LISTING

CHART LABEL COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	E (T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI^2/10^6
A INITIAL HYDROSTATIC	0.0		2181.0		FU1 2/10 C
B START OF 1st FLOW	0.0		176.0		
C END OF 1st FLOW	30.0		334.0		
1st SHUTIN PERIOD D END OF 1st SHUTIN	4.0 8.0 12.0 16.0 20.0 26.0 32.0 38.0 44.0 50.0 62.0 68.0 74.0 80.0	0.0 1515.0 1677.0 1687.0 1692.0 1695.0 1697.0 1700.0 1701.0 1702.0 1702.0 1703.0 1704.0 1705.0 1705.0	334.0 1849.0 2011.0 2021.0 2026.0 2029.0 2031.0 2033.0 2034.0 2035.0 2036.0 2036.0 2037.0 2039.0 2039.0 2039.0	0.0000 8.5000 4.7500 3.5000 2.8750 2.5000 2.1538 1.9375 1.7895 1.6818 1.6000 1.5357 1.4439 1.4412 1.4054 1.3750 1.3488 1.3333	0.0000 3.4188 4.0441 4.0844 4.1047 4.1168 4.1250 4.1331 4.13372 4.1412 4.1453 4.1453 4.1453 4.1575 4.1575 4.1575
E START OF 2nd FLOW	0.0		185.0		
F END OF 2nd FLOW	130.0		525.0		
2nd SHUTIN PERIOD	8.0	1406.0	525.0 1823.0 1931.0 1948.0 1956.0 1961.0 1971.0 1979.0 1985.0 1989.0 1996.0 1999.0 2001.0	1.3333 41.0000 21.0000 14.3333 11.0000 9.0000 6.3333 5.0000 4.2000 3.6667 3.2857 3.0000 2.7778 2.6000 2.4545	4.1575 3.3233 3.7288 3.7947 3.8259 3.8455 3.8455 3.9164 3.9402 3.9561 3.9720 3.9840 3.9960 4.0040 4.0160

CELSIUS ENERGY DST#: 1 UCOLO #1 4550-4595

Location: 3-369-26E

Test Type: BOTTOM HOLE CONVENTIONAL

Formation: -

Recorder Number: 1622

Recorder Depth: 4595 ft.

TIME-PRESSURE LISTING

CHART		TIME	DELTA P	PRESSURI	E (T+dt)/dt	PRESSURE
LABEL	COMMENTS	MIN.	PSI	PSI	ABSCISSA	SQUARED
						PSI^2/10^6
		120.0	1481.0	2006.0	2.3333	4.0240
		130.0	1483.0	2008.0	2.2308	4.0321
		140.0	1485.0	2010.0	2.1429	4.0401
		150.0	1486.0	2011.0	2.0667	4.0441
		160.0	1487.0	2012.0	2.0000	4.0481
		170.0	1488.0	2013.0	1.9412*	4.0522
		180.0	1490.0	2015.0	1.8889*	4.0602
		190.0	1491.0	2016.0	1.8421*	4.0643
		200.0	1492.0	2017.0	1.8000×	4.0683
		210.0	1493.0	2018.0	1.7619*	4.0723
		220.0	1494.0	2019.0	1.7273*	4.0764
		230.0	1495.0	2020.0	1.6957*	4.0804
G END	OF 2nd SHUTIN	240.0	1495.0	2020.0	1.6667*	4.0804
V mrs12		<u> </u>				
K FINA	AL HYDROSTATIC	0.0		2163.0		

VALUES USED FOR EXTRAPOLATIONS

CELSIUS ENERGY DST#: 1 UCOLO #1 4550-4595

Location: 3-36S-26E

Test Type: BOTTOM HOLE CONVENTIONAL

Formation: -

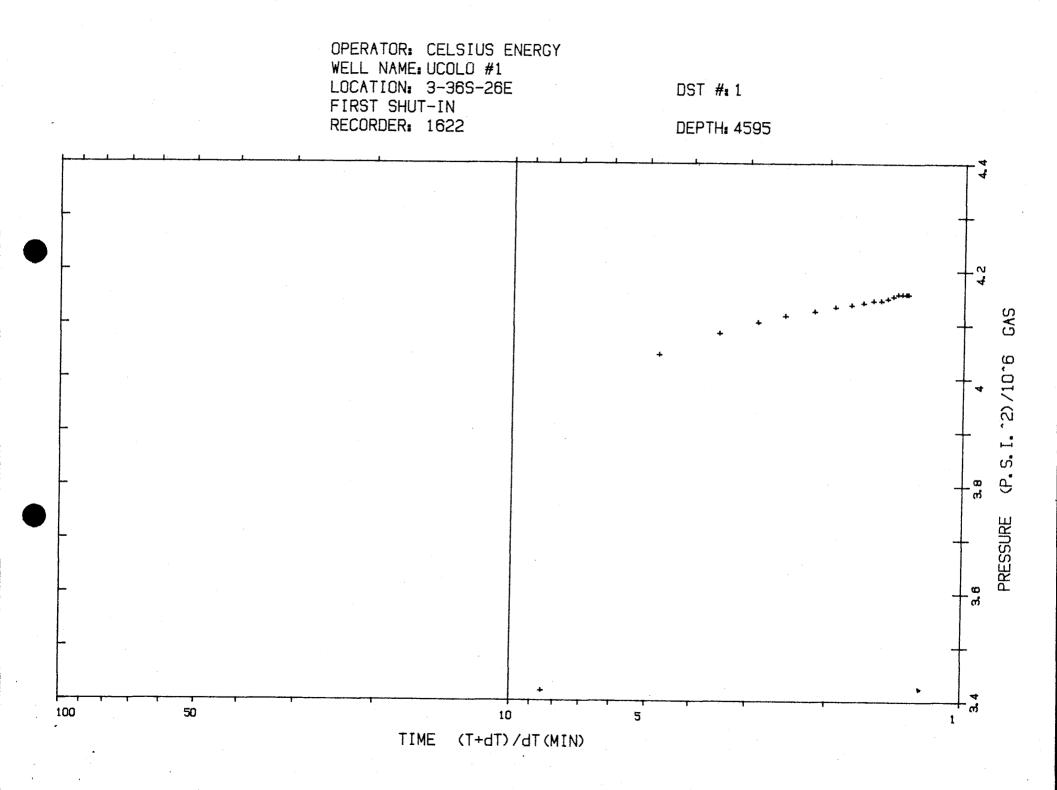
Recorder Number: 1622 Recorder Depth: 4595 ft.

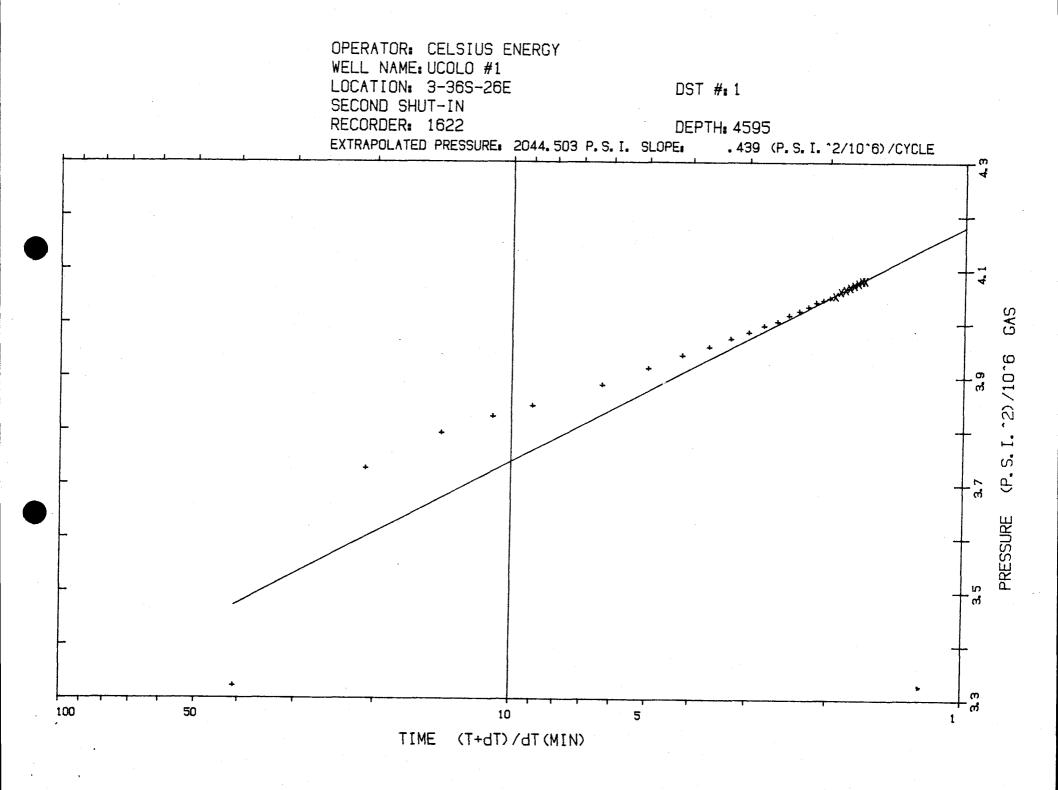
2nd SHUT-IN

HORNER EXTRAPOLATION 2044.50 PSI

HORNER SLOPE

.44 (PSI^2/10^6)/cycle





Gas Volume Report

Cels	ius Energ	Jy Co.		Ucolo #1
		Operator		Well Name and No. DST No.
Min.	PSIG	Orifice Size	MCF/D	Comments
0				Tool opened for initial flow with 1" blow.
20	120	1/4"	199.0	Gas to surface.
_ 25	135	1/4"	221.5	
_30	148	1/4"	240.0	End of initial flow period.
0				Tool opened for final flow.
_5	55	1/4"	103.6	Gas to surface.
_10	105	1/4"	176.5	
_15	125	1/4"	206,5	
_20	160	1/4"	258.0	
_ 25	200	1/4"	317.0	
30	220	1/4"	346.0	
35	240	1/4"	376.0	
40	260	1/4"	405.0	
45	270	1/4"	420.0	
50	290	1/4"	449.0	
55	295	1/4"	457.0	
60	300	1/4"	464.0	
_65	310	1/4"	479.0	
70	320	1/4"	493.0	
75	325	1/4"	501.0	
Rem				

Remarks

Continued on the following page.

Gas Volume Report

Cels	Celsius Energy Co. Ucole #1 Operator Well Name and No.				DST No.
Min.	PSIG	Orifice Size	MCF/D		
80	330	1/4"		Comments	
85	340	1/4"	508.0 523.0		
90	345	1/4"	530.0		
95	350	1/4"	538.0		
100	355	1/4"	545.0		
/ 105	360	1/4"	552.0		
110	365	1/4"	560.0		
115	370	1/4"	567.0		
120	370	1/4"	567.0	End of final flow period.	
				por rou.	
· ·					
Rem	erks:				

Sampler Report

cersius Ene	rgy Lo.	Date	Date5/10/83			
/ell Name & No. Ucolo #1		Ticket No	04154			
ountySan_Juan						
est Interval 4550-4595 F						
Total Volume of Sampler:	2150			сс.		
Total Volume of Sample:	1000			cc.		
	550	•				
Oil:	None					
Water:	None			CC.		
	1000 Gas cut mud					
	1.9					
	Sample R.W.: .6@					
	Resistivity					
Make Up Water		Salinity Content		nnm		
Mud Pit Sample 1.5	@76 ⁰ F	Salinity Content	3600	ppm.		
	Gravity					
Where was sample drained	On location.		All C	· ·		
Remarks: Recovery: T	op Sample R.W.: .75	$@ 70^{\circ}F = 8.400$	DDM. Nacl			
	iddle Sample R.W.: .77					
	ottom Sample R.W.: .70					
			 			
				 		

Page

CELSIUS ENERGY COMPANY DST#: 1 UCOLO #1 4550-4595

PRESSURE RECORDER NUMBER: 1622

DEPTH: 4595.00ft.

LOCATION : OUTSIDE

TYPE : K-3

CAPACITY: 5000.00 PSI

PRESSURE

PSI

A)Initial Hydro : 2181.0 B)1st Flow Start:

C)1st Flow End : 334.0

D)END 1st Shutin: 2039.0

E)2nd Flow Start: 185,0

F)2nd Flow End:

G)END 2nd Shutin: 2020.0

K)Final Hydro. : 2163.0

Temperature:

113.8

TEST TIMES (MIN) 1st FLOW : 30 SHUTIN: 90 2nd FLOW : 130 SHUTIN:240

PRESSURE RECORDER NUMBER : 24521

4531.00ft. DEPTH :

TYPE : K-3

LOCATION : INSIDE

CAPACITY: 6625.00 PSI

PRESSURE

PSI

A)Initial Hydro : 2128.0 B)1st Flow Start: C)1st Flow End:

D)END 1st Shutin: 1995.0

E)2nd Flow Start: 176.0 F)2nd Flow End : 501.0

G)END 2nd Shutin: 1962.0

K)Final Hydro. : 2089.0

PRELIMINARY REPORT

CORE LABORATORIES, INC. Petroleum Reservoir Engineering DALLAS, TEXAS

PAGE NO.

CEL STUS CCCPTP SANCT EMER:C:~

> FORMATION : L. DESERT CREEK STAGE

: 5-17-83

UCOLO NO. 1

DRLG, FLUXD: WBM

DATE

FILE NO. : RP-3-003265

UCOLO FIELD SAN JUAN COUNTY LOCATION

: NW,SW SEC.3-36S-26E

ANALYSTS : GG:DS

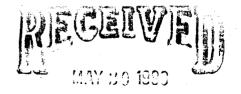
STATE

: UTAH

ELEVATION: 6068 KB

FULL DIAMETER CORE ANALYSIS - BOYLE'S LAW HELIUM POROSITY

								·
SAMP.	DEPTH	PERM. TO MAX.	AIR (MD) 90 DEG.	POR. B.L.	FLUXD OXL	WATER	GR. DNS.	DESCRIPTION
	5708-5723		# # # # # # # # # # # # # # # # # # #	****************	**** **** **** **** **** **** **** **** ****		**** **** **** ****	SHALE - NO ANALYSIS
	5723-573()						ANHYDRITE - NO ANALYSIS
1.	5730-31	<0.01	*	3,7	0.0	59.7	2.79	DOL BRN VFXLN SL/SHL
2.	5731-32	<0.01	*	3.3	2.9	58.8	2.82	DOL BRN VEXLN SL/SHL
3	5732-33	0.01	<0.01	1.9	0.0	43.0	2.85	DOL BRN VFXLN SL/ANHY
4	5733-34	0.01	0.01	2.6	0.0	16.5	2.87	DOL BRN VEXLN SL/ANHY
5	5734-35	0.28	0.26	4.0	3.1	18.7	2.86	DOL BRN VEXLN SL/ANHY
ద	5735-36	0.13	0.12	3.6	0.0	41.9	2.86	DOL BRN VFXLN SL/ANHY
7	5736-37	0.72	0.43	4.4	0.0	21.5	2.85	DOL BRN VEXLN SL/ANHY
В	5737-38	0.60	0.54	4.0	2.5	10.0	2.85	DOL BRN VEXLN SL/ANHY
9	5738-39	3.5	2.9	3.5	5.3	21.2	2.86	DOL BRN VEXLN SL/ANHY
1.0	5739-40	0.46	0.34	3.3	0.0	25.6	2.86	DOL. BRN VEXLN SL./ANHY
1. 1.	5740-41	0.20	*	4.1	0.0	20.9	2.83	DOL BRN VFXLN SL/ANHY
1.2	5741-42 5742-5752	<0.01		0.6-	9.0	44.2	-2,80	DOL GRY VEXLN-SL/SHL SHALE - NO ANALYSIS



DIVISION OF GAS & MINING

SAMPLE UNSUTTABLE FOR FULL DIAMETER ANALYSIS, CONV. PLUG USED.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty of representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY CELSIUS ENERGY COMPANY FIELD UCOLO FILE RP-3-003265

WELL UCOLO NO. 1 COUNTY SAN JUAN __ DATE <u>5-17-83</u> LOCATION NW.SW SEC. 3-368-26E STATE UTAH _ELEV. 6068 KB

CORE-GAMMA CORRELATION

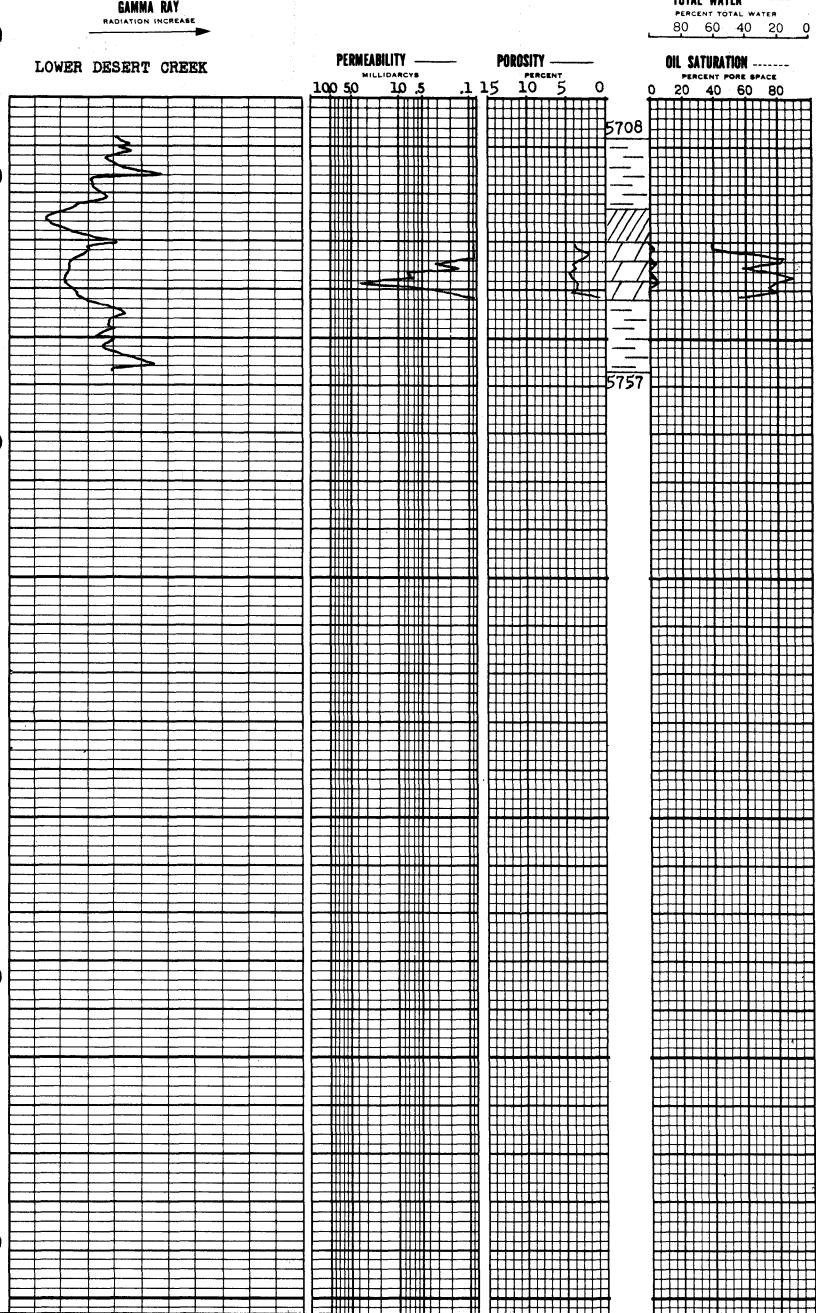
VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG

COREGRAPH

TOTAL WATER -

(PATENT APPLIED FOR)



SECTION 3 -

36 S -

26 E

FIELD AREA

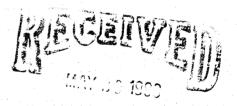
IC/PW

No.

4830. - 4879. TESTED INTERVAL

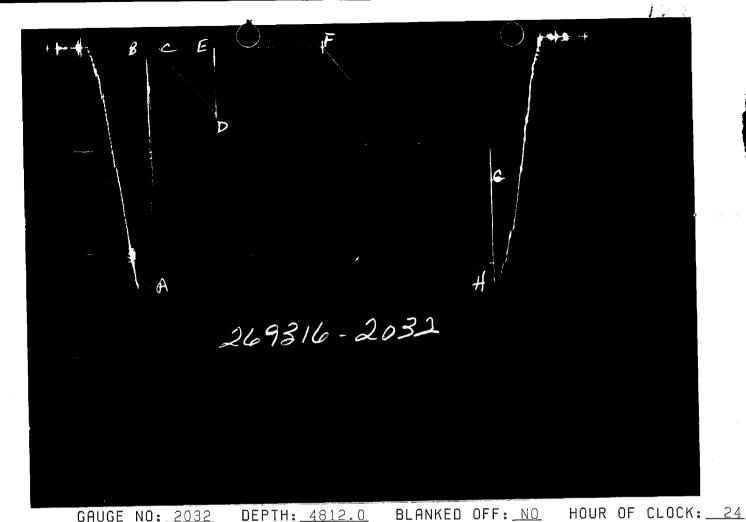


TICKET NO. 26931600 16-MAY-83 FARMINGTON

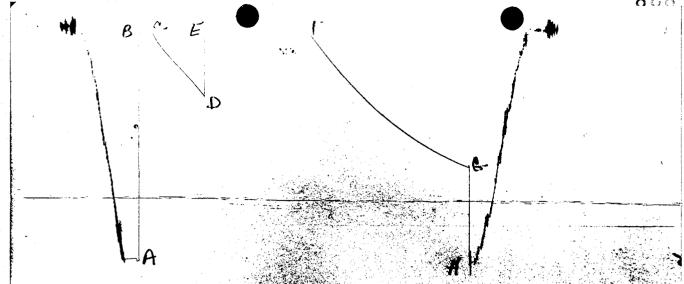


DIVISION OF GAS & MINING

FORMATION TESTING SERVICE REPORT



DEPTH: 4812.0 GAUGE NO: 2032 PRESSURE REPORTED CALCULATED TIME TYPE DESCRIPTION ID REPORTED CALCULATED 2284 2312.7 INITIAL HYDROSTATIC А 26 28.4 INITIAL FIRST FLOW В F 29.8 30.0 C FINAL FIRST FLOW 26 29.3 29.3 26 \mathbb{C} INITIAL FIRST CLOSED-IN 120.0 119.8 712 678.9 FINAL FIRST CLOSED-IN D 26 33.9 INITIAL SECOND FLOW Ε F 239.8 240.0 44.9 F FINAL SECOND FLOW 40 40 44.9 F INITIAL SECOND CLOSED-IN \mathbb{C} 361.0 361.6 1358 1380.1 FINAL SECOND CLOSED-IN 2284 2330.2 FINAL HYDROSTATIC



269314-2033

GAUGE NO: 2033 DEPTH: 4875.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRE:	SSURE	T T		TYPE
A	INITIAL HYDROSTATIC	2348	2350.7	REPORTED	CALCULATED	
B C	INITIAL FIRST FLOW FINAL FIRST FLOW	54 54	59.9 53.8	30.0	29.8	F
С	INITIAL FIRST CLOSED-IN	54	53.8			
D	FINAL FIRST CLOSED-IN	696	704.7	120.0	119.8	C
E	INITIAL SECOND FLOW FINAL SECOND FLOW	54 67	61.0 72.8	240.0	239.8	F
F	INITIAL SECOND CLOSED-IN	67	72.8	004 0		
G	FINAL SECOND CLOSED-IN	1400	1407.0	361.0	361.6	С
Н	FINAL HYDROSTATIC	2348	2362.6			

EQUIPMENT & HOLE DATA	TICKET NUMBER: 26931600
FORMATION TESTED: HONAKER TRAIL	
NET PAY (ft): 9.0 GROSS TESTED FOOTAGE: 49.0	DATE: 5-11-83 TEST NO: 2
GROSS TESTED FOOTAGE: 49.0	TVDE DOT
ALL DEPTHS MEASURED FROM: KELLY BUSHING	TYPE DST: OPEN HOLE
CASING PERFS. [ft]:	HALLIBURTON CAMP:
HOLE OR CASING SIZE (in): 8.750 ELEVATION (ft): 6072	
ELEVATION (ft): 6072	FARMINGTON
TOTAL DEPTH (ft):	TESTER: D. GUNN
PACKER DEPTH(S) (ft): 4824, 4830	
FINAL SURFACE CHOKE (in):	
	WITNESS: M.R. SLIGER ??
MUD WEIGHT (lb/gal):9.10	
MUD VISCOSITY (sec):35	DRILLING CONTRACTOR:
ESTIMATED HOLE TEMP. (°F): 110	ARAPAHOE DRILLING #2
ACTUAL HOLE TEMP. (°F): 120 @ 4875.0 ft	
FLUID PROPERTIES FOR	SAMPLER DATA
RECOVERED MUD & WATER	
SOURCE RESISTIVITY CHLORIDES	Psig AT SURFACE: 900
MUD PIT 2.000 @ 65 °F 1878 ppm	cu.ft. OF GAS:0.52
	cc OF OIL:
SAMPLER 0.270 € 61 °F 16666 ppm € °F ppm	cc OF WATER: 1400
A 05	cc OF MUD:850
6 _ °F _ ppm	TOTAL LIQUID cc: _ 2250
HYDROCARBON PROPERTIES	CUSHION DATA
OIL GRAVITY (°API): @°F GAS/OIL RATIO (cu.ft. per bbl):	TYPE AMOUNT WEIGHT
GAS GRAVITY:	المناهية والمستوالية والمناه
RECOVERED:	E
60 FEET OF SLIGHTLY WATER CU	T MUD
	MERSURED FROM TESTER VAIVE
. No de Millande Commente de la compansión de la compansión de la material de la compansión de la compansión d La compansión de la compa	
	Ų ŠĖ
DEMODICO	
REMARKS:	

TYPE & SI	ZE MEASUR	ING DEVICE:			TICKET NO: 26931600
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
5-10-83					
2245					ON LOCATION
2340			4.		PICKED-UP TOOLS
5-11-83					
0040					TRIPPED IN HOLE WITH DST #2
0256					ON BOTTOM
0300	ВН	3 DZ.			OPENED TOOL WITH A GOOD BLOW -
					13" IN BUCKET.
0303	ВН	22 07.			GOOD BLOW - BOTTOM OF BUCKET
0305	ВН	26 OZ.		- '	GOOD BLOW - BOTTOM OF BUCKET
0310	ВН	27.5 OZ.			GOOD BLOW - BOTTOM OF BUCKET
0315	ВН	27.5 OZ.			GOOD BLOW - BOTTOM OF BUCKET
0320	ВН	27 OZ.			GOOD BLOW - BOTTOM OF BUCKET
0325	ВН	24.5 OZ.	<u> </u>	<u> </u>	GOOD BLOW - BOTTOM OF BUCKET
0330	BH	22.5 OZ.		· · · · · · · · · · · · · · · · · · ·	CLOSED TOOL - NO GAS TO SURFACE
0530	ВН	6 OZ.			REOPENED TOOL - GOOD BLOW AT
			 		BOTTOM OF BUCKET.
0531	ВН	19 OZ.			GOOD BLOW - BOTTOM OF BUCKET
0534	BH	17.5 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0540	ВН	15 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0545	ВН	13.5 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0550	BH	12 ÖZ.			GOOD BLOW AT BOTTOM OF BUCKET
0600	BH	10 OZ.	<u> </u>		GOOD BLOW AT BOTTOM OF BUCKET
0615	ВН	8.5 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0630	BH	8 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0645	ВН	7.5 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0700	ВН	7 02.			GOOD BLOW AT BOTTOM OF BUCKET
0730	ВН	6.25 07			GOOD BLOW AT BOTTOM OF BUCKET
0800	BH	6.25 OZ			GOOD BLOW AT BOTTOM OF BUCKET
0830	BH	6 OZ.			GOOD BLOW AT BOTTOM OF BUCKET
0900	BH	6 OZ.	<u> </u>		GOOD BLOW AT BOTTOM OF BUCKET
0930	BH	5.8 OZ.			CLOSED TOOL - NO GAS TO SURFACE
1531	511	0.0 02.			PULLED OFF BOTTOM - OPENED
				-	BYPASS. TRIPPED OUT OF HOLE
				<u> </u>	WITH DST #2.
1800					OUT OF HOLE
1930					JOB COMPLETED

TICKET NO: 26931600

CLOCK NO: 14128 HOUR: 24



GAUGE NO: 2032

RE	F	MINUTES	PRESSURE	ΔΡ	<u>t×∆t</u> t+∆t	$log \frac{t + \Delta t}{\Delta t}$
			FIRST	FLOW		
В	•	0.0	28.4	1 LO#		
צ	1 2	5.0	28.8	0.4		
	3 4	10.0 15.0	28.8 28.5	0.0 -0.3		
	5 6	20.0 25.0	27.3 28.0	-1.2 0.7		
С	7	29.8	29.3	1.3		
		F	IRST CL	OSED-I	N	
C						
L	1 é	0.0 8.0	29.3 97.6	68.3	6.3	
	3 4	16.0 24.0	150.8 196.7	121.5 167.4	10.4 13.3	
	. 5	32.0	238.7	209.4	15.4	0.286
	6 7	40.0 48.0	277.7 316.8	248.4 287.5	17.1 18.4	
	8 9	56.0 64.0	355.1 392.9	325.9 363.6	19.5 20.3	4 1
:	10	72.0	429.4	400.1	21.1	0.151
	11 12	80.0 88.0	467.7 506.3	438.4 477.0	21.7 22.3	
	13	96.0	549.6	520.3	22.8	0.118
	14 15	104.0 112.0	592.9 637.6	563.6 608.3	23.2 23.6	
ם	16	119.8	678.9	649.7	23.9	0.097
		4. d.	SECONI) FLOW		
E	1	0.0	33.9	The second secon		
_	2	30.0	33.6	-0.3		
	3 4	60.0 90.0	35.1 38.1	1.5 3.0		
	5 6	120.0 150.0	39.8 41.8	1.7 2.0		
	7	180.0	43.0	1.2		
Ë	8	210.0 239.8	44.2 44.9	1.2 0.7		
				e e e e e e e e e e e e e e e e e e e		
		S	ECOND C	LOSED-	IN	
F	1	0.0	44.9		914 1 22 .	1
	2	20.0 40.0	158.6 272.6	113.7 227.7	18.6 34.8	200
	4	60.0	381.9	337.1	49.1	0.740
	5 6	80.0 100.0	482.2 578.4	437.3 533.6	61.7 72.9	0.568
	.7 8	120.0 140.0	671.1 757.1	626.2 7 12.3	83.0 92.1	
	-	•				

, i	JRTO	ツ	EPTH: 48	12.0		
	REF	MINUTE	5 PRESSURE	ΔΡ	<u>t×Δt</u> t+Δt	log <u>t+Δt</u>
	SE 9 10 11 12 13 14 15 16 17 18 G 19	COND CLOS 160. 180. 200. 240. 260. 280. 300. 320. 340.	0 912.2 0 979.9 0 1043.9 0 1105.0 0 1159.6 0 1209.8 0 1256.9 0 1300.1 0 1341.0	793.3 867.4 935.0 999.1 1060.2 1114.8 1164.9 1212.0 1255.3 1296.2 1335.2	100.4 107.9 114.8 121.1 127.0 132.4 137.3 142.0 146.3 150.4 154.5	0.429 0.398 0.371 0.347 0.327 0.309 0.293 0.278 0.265 0.254 0.242
	· · · · · · · · · · · · · · · · · · ·					
		n service de la companya de la compa	europen (n. 1865) Transport	1	ing panggarang dise Panggarang Panggarang	
					er en	** ;***** ;

TICKET NO: 26931600

CLOCK NO: 12118 HOUR: 24



GAUGE NO: 2033

DEPTH: 4875.0

	UCK I	40: T		UUK: 24	<u>*</u>	SERVIC
RE	F M	INUTES	PRESSURE	ΔΡ	<u>t×∆t</u> t+∆t	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST	FLOW		
В	1	0.0 5.0	59.9 52.0	7 0		
	3	10.0	51.9	-7.9 -0.1		
	4 5	15.0 20.0	52.3 52.4	0.4	. • .	
С	6 7	25.0 29.8	52.8 53.8	0.4 0.9		
		F	IRST CL	NSFN-T	N	
C						
	2	8.0	53.8 117.8	64.1	6.3	
	3 4	16.0 24.0	173.6 220.1	119.8 166.4	10.4 13.3	
	5 6	32.0 40.0	263.8 304.2	210.1 250.4	15.4 17.1	."
	7	48.0	343.2	289.4	18.4	0.210
	8 9	56.0 64.0	380.8 417.7	327.1 363.9	19.5 20.4	0.166
	10 11	72.0 80.0	455.1 494.9	401.3 441.2	21.1 21.7	
	12	88.0	536.2	482.4	22.3	0.127
	13 14	96.0 104.0	575.9 617.2	522.2 563.4	22.8 23.2	0.110
D	15 16	112.0 119.8	660.4 704.7	606.6 650.9	23.6 23.9	
		-				* 1
			SECON) FLOW		
E.	1	0.0		ar a filosofia ege	granden de k	tiga sharan iya ka
	2 3	30.0 60.0	60.7 62.9	-0.3 2.1		
	4 5	90.0	64.9 66.9	2.0 2.0		
	6	150.0	68.8	1.9		
	7 8	180.0 210.0	70.6 71.4	1.9 0.8		
F	9	239.8	72.8	1.3	a et a talen. Et a t	
		Si	ECOND C	LOSED-	ΓN	
				LUJEB .	. 14	
F	1 2	0.0 20.0	72.8 184.0	111.3	18.6	6 1.162
	3 4	40.0 60.0	300.3 406.8	227.5 334.0	34.9 49.1	0.888
	5	80.0	510.4	437.6	61.	7 0.641
1,1	6 7	100.0 120.0	605.6 699.5	532.8 626.7	72.9 83.1	
	8	140.0	785.0	712.2	92,2	2 0.466

4.6	r 7,					 A 1 (1) (2) (1)
REF	=	MINUTES	PRESSURE	ΔP	<u>t×∆t</u> t+∆t	$log \frac{t + \Delta t}{\Delta t}$
	SE	COND CLOSED	-IN - CONTI	NUED		
	9	160.0	864.8	792.0	100.4	0.429
	10	180.0	940.0	867.2	108.0	0.398
	11	200.0	1008.9	936.1	114.8	0.371
dug.	12	220.0	1072.1	999.3	121.2	0.347
	13	240.0	1132.7	1059.9	127.0	0.327
	14	260.0	1186.3	1113.5	132.4	0.309
	15	280.0	1238.6	1165.8	137.4	0.293
	16	300.0	1285.6	1212.9	142.0	0.278
	17	320.0	1328.9	1256.1	146.3	0.265
	18	340.0	1369.3	1296.5	150.4	0.254
G	19	361.6	1407.0	1334.3	154.5	0.242

REMARKS:

EE8
TICKET NO. 26931600

		·			
• • • • • • • • • • • • • • • • • • • •		O.D.	I.D.	LENGTH	DEPTH
	DRILL PIPE	4.000	3.340	4263.0	
	DRILL COLLARS	6.000	2.250	441.0	
0	IMPACT REVERSING SUB	6.000	3.000	1.0	4707.0
	DRILL COLLARS	6.000	2.250	91.0	
	CROSSOVER	6.000	3.000	1.0	
	DUAL CIP SAMPLER	5.030	0.750	7.0	
۵	HYDROSPRING TESTER	5.000	0.750	5.0	4807.0
	AP RUNNING CASE	5.000	2.250	4.0	4 812.0
	JAR	5.030	1.750	5.0	
٧	VR SAFETY JOINT	5.000	1.000	3.0	
	OPEN HOLE PACKER	7. 750	1.530	6.0	4824.0
	OPEN HOLE PACKER	7. 750	1.530	6.0	4830.0
	FLUSH JOINT ANCHOR	5.750	3.000	43.0	
0	BLANKED-OFF RUNNING CASE	5.750		4.0	4 875.0
	TOTAL DEPTH				4879.0

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Well Name and No.

Uco10

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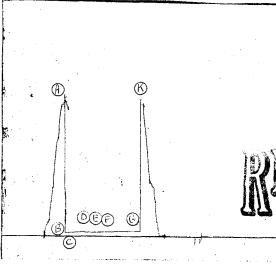
Contractor_	Arapahoe
Rig No	2
Spot	
Sec	3
Twp	36 S
Rng	26E
Field	Ucolo
	San Juan
State	Utah
Elevation	6068 Ft.
Formation	Desert Creek

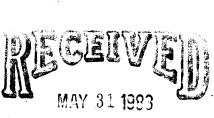
Top Choke	<u>}"</u>
Bottom Choke	1"
Size Hole	
Size Rat Hole	***
Size & Wt. D. P.	4" 14.00
Size Wt. Pipe	
I. D. of D. C	21"
Length of D. C	532 Ft.
Total Depth	5757 Ft.
Interval Tested	5732-5757 Ft.
Type of Test	Bottom Hole
	Conventional

Flow No. 1 Shut-in No. 1 Flow No. 2 Shut-in No. 2 Flow No. 3 Shut-in No. 3	120 47 360	
Bottom Hole Temp,	134°F	

Bottom Hole Temp,	134°F	
•	12.7	
Viscosity		

Tool opened @ 11:07 AM





DIVISION OF OIL, GAS & MINING

Outside Recorder					
PRD Make Kuster	r K-:	3			
No. 24521 Cap. 60	625	@ <u>5738'</u>			
Press		Corrected			
Initial Hydrostatic	Α	3760			
Final Hydrostatic	K	3760			
Initial Flow	В	70			
Final Initial Flow	С	72			
Initial Shut-in	D	102			
Second Initial Flow	E	88			
Second Final Flow	F	96			
Second Shut-in	G	121			
Third Initial Flow	Н				
Third Final Flow	ı				
Third Shut-in	J				

Lynes Dist.: Rock Springs, WY.
Our Tester: Charles Tuzicka
Witnessed By: Mike Sliger

Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

30 Ft. Total fluid = .15 bbl.

30 Ft. Drilling mud = .15 bbl.

Blow Description

1st Flow:

Tool opened with a weak blow, increased to a 1" underwater

blow and remained thru the flow period.

2nd Flow:

Tool opened with a very weak blow, decreased to nil in 17

minutes and remained dead thru the flow period.

Sampler Report

npany	Celsius E	nergy Compan	ı y	Date5	/17/83		
Nell Name & No. Ucolo # 1				Ticket No0	Ticket No. 04110		
inty	San Juan			State	tah		
			*	DST No3			
Total Volume of	of Sample:	2150				CC	
Pressure in	Sampler:	None				psi	
	Oil:	None				cc	
	Water:	None				сс	
	Mud:	2150				cc	
	Gas:	None				cu. fi	
	Other:						
		Sample R.W.	: .9 @ 70°F	= 6,900 ppm. cl.			
			Resistivity				
Make Up Water		10@	60°F	Salinity Content	620	ppm	
and the second s				Salinity Content			
Where was samp	ole drained	On location					
Remarks:		Recovery:					
	·	***************************************	Bottom Sample	e R.W.: 1.0 @ 6	5°F = 6.500	ppm. cl	



DMR-312 DIGITAL MEMORY RECORDER NO. 1622 CAP. 5000 AT 5738 Ft. **OPERATOR** Celsius Energy Company WELL NAME AND NO. Ucolo # 1 TICKET NO. 04110 DST NO. 3 DMR TYPE #2 128.68 107.50 (SKIP = 10.0000 123.75 117.500 = 08:15:00 BIAS 107.500 123.750 118.751 TEMP. IN DEG. F 106.254 123.759 118.754 107.504 PRES. IN P.S. I.A 123.75 : 120.00 (107.50: ******* 123.75) 120.00 (10:56:00 T 116.875 107.50 + 123.75 (121.25 (108.75 3816.25 125.00 (121.25 (16:00:00 T 131.56: Initial Hydrostatic3816.25 18:24:00 T 133.06: 13:36:00 T 129.00: 108.750 3886.25 125.000 90.000 (108.754 3846.25 125.00 91.250 (110.000 3841.25 125.00 : 91.250 (110.000 3883.75 125.00 (91.250 (67.5000 110.000 126.25 91.250 (11:12:00 T 121.062 110.000 126.25 (Initial Shut-In 92.500 : Start 1st Flow: 71.2500 110.00 : 126.250 Start 2nd Flow 92.500 i 18:40:00 T 133.18 72.5000 16:16:00 T 131.68 ' 13:52:00 T 129.37; 111.25 73.7500 126.25 92.500: 75.0000 111.25 126.25 93.750 t **75.000**0 112.50 126.25% 92.500 (126.25 (**76.250**⊕ 111.250 92.500 (77.500: 111.25 (127.50 (93.750 (11:28:00 T 124.56; 112.500 127.50: 93.750 -77.5004 112.50 127.500 93.750 (78.750⊕ 16:32:00 T 131.87; 18:56:00 T 133.254 14:08:00 T 129.75 i 113.750 78.750 (127.50 (93.7500 78.750 a 112.500 128.75 (93.750 t 80.0000 113.750 128.75 : 93.750 (81.2500 113.754 127.500 93.750 (End 1st Flow: 82.500% 11:44:00 T 125.75% 113.750 128.75 (95.000 : 113.754 128.75 (95.0001 83.7504 **113.75**0 128.75 (93.250 (16:48:00 T 132.06: 85.000: 19:12:00 T 133.43.1 14:24:00 T 130.06: 86.2501 115.00 (128.75 95.000 (128.75: 86.250 (115.004 95.000 : 87.5064 116.25 (130.00 (95.000 115.000 88.756 (130.004 End 2nd Flow 95.000 : 88.750d 116.250 130.001 96.2500 12:00:00 T 126.430 116.25 (130.00 t 96,2584 116.25 (91.2504 130.00 -97:500mm 17:04:00 T 132.25 a 92.5000 19:28:00 T 130.50. 14:40:00 T 130.374 116.25 (92,500 (131.250 96.250 : 116,25 : 93.750 (131.25 97.500 -95.000 (117.50: 131.25 (97.500 (117.500 95.00001 131.25: 98.750 r 117.50 96.2500 131.25 + 98.750 (117.50 (117.50 (12:16:00 T 127.000 131.25 -98.750 (97.5000 131.253 98.750 -19:44:00 T 133.62; 98.750 (17:20:00 T 132.43 ' .4:56:00 T 130.62; 117.50: 98.750 (132.504 98.25n r 98.750:1 118.751 132.504 100.00 : The state of the s 118.75@ 132.500 100.00 (100.000 118.751 101.250 132.500 101.25 120.00: 102.50 + 132.504 101.250 12:32:00 T 127.40 118.75 132.500 101.25 ... $120.00 \pm$ 103.750 133.750 101.250 17:36:00 T 132.563 20:00:00 T 133.68' 103.75 15:12:00 T 130.87 (120.00) 105.00 + 132.500 102.50 : 133.750 105.000 120.001 102.50 : 121.258 106.25 (133.75 / 103.75 + 121.250 133.75 (106.25 (103.75 133.75 121.253 107.500 103.755 12:48:00 T 127.93' 121.250 133.754 103.25 € 121.25 107.50 (133.750 103.75 (17:52:00 T 132.75 20:16:00 T 133.81: 108, 25 (15:28:00 T 131.12: 121.250 110.00: 135.00 (105.00 + 121.25% 110.00 (135.00 (195.99.1 121.25 135.00 (111.25 (105.000 122.50 (111.25 (135.00⊕ 106.254 122.500 112.50 (135.000 106.25 13:04:00 T 128.31: 122.50 135.00: 105.00 : End 2nd Shut-In 136.254 122.50 113.75 (106.25 (18:08:00 T 132.82% 113.75 i 2**0:32:00 T 133.9**3 1 15:44:00 T 131.31: 3811.2% 115.00 (Final Hydrostatic3806.2 115.00 (3806.2 115.00 (3805.0 116.25 (3802.5 116.254

Page 1

CELSIUS ENERGY CO. DST#: 3 UCOLO # 1 5732-5757

PRESSURE RECORDER NUMBER: 1622

DEPTH : 5738.00ft.

LOCATION : OUTSIDE

TYPE : DMR

CAPACITY: 5000.00 PSI

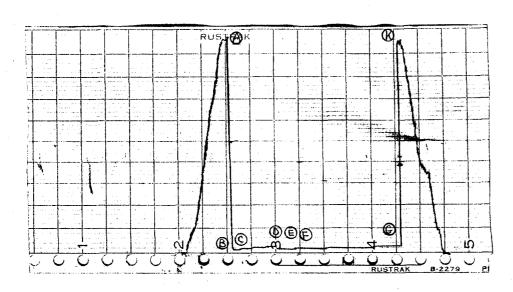
PRESSURE PSI

A)Initial Hydro : 3816.0 B)1st Flow Start: 71.0 C)1st Flow End : 83.0

D)END 1st Shutin: 93.0 E)2nd Flow Start: 93.0

F)2nd Flow End : 95.0

G)END 2nd Shutin: 136.0 K)Final Hydro. : 3806.0



TEST TIMES(MIN)
1st FLOW : 30

SHUTIN:120

2nd FLOW : 47

SHUTIN:360

PRESSURE RECORDER NUMBER: 23883

DEPTH: 5715.00ft.

LOCATION : INSIDE

TYPE : K-3 CAPACITY : 6800.00 PSI

PRESSURE

PSI A)Initial Hydro : 3758.0 B)1st Flow Start: 93.0 C)1st Flow End : 93.0 D)END 1st Shutin: 119.0

E)2nd Flow Start: 105.0 F)2nd Flow End: 107.0

G)END 2nd Shutin: 127.0

K)Final Hydro. : 3758.0

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UNITED STATES DEPARTMENT OF THE INTERIOR

Form approved.

ctions on rse side)	5. LI	CASE	DESIGNATION	AND	SE
	l	~ ~			

See other in- ructions on everse side)			Budget	Bur	eau	No.	42–R3	5
everse side)	5.	LEASE	DESIGNA	TION	AN	D S	ERIAL	_

•		GEC	LOGIC	AL SU	JRVEY			reve	rse side)	U-3925		TION AND BERIAL NO
WELL CO	MPLETION	4 OF	RECO	MPLET	ION I	REPORT	AN	D LO	G*	6. IF INDIAN,	ALLO	TTEE OR TRIBE NAME
1a. TYPE OF WEI	01 W	L KY		7	DRY [Other	·			7. UNIT ACRE	EMEN	T NAME
b. TYPE OF COM	PLETION:											
WELL X	OVER E	EEP-	BACK [DII RE	SVR.	Other				S. FARM OR I	EASE	NAME
2. NAME OF OPERAT	rom Energy Com	nn an-	-	1.5						Ucolo		
3. ADDRESS OF OPE		upany	<u> </u>		1864.06		·			9. WELL NO.		W .
	x 458, Ro	ck Sr	orings.	WY 8	2902					10. FIELD ANI	D P00	L, OR WILDCAT
4. LOCATION OF WE						y State requ	iremen	ts)*		Wildca		
At surface N	W SW, 1250)' FW	7L, 1480	O' FSL								OR BLOCK AND SURVEY
At top prod. int	terval reported l	elow		MA	ടധ			:		OR AREA	đ	
At total depth				NW	<u>ح</u>					3-36s-2	26E,	, SLB&M
				14. P	ERMIT NO.	 	DATE	ISSUED	,	12. COUNTY O	R	13. STATE
	•			l l	037-30			-4-83		San Jua		
15. DATE SPUDDED	16. DATE T.D.	REACHE	D 17. DAT						OF, RKB,	RT, GR, ETC.)*	19.	ELEV. CASINGHEAD
4-28-83	5-19-83			5-83		K	в 60			6055'		
20. TOTAL DEPTH, MD	i i		K T.D., MD &	TVD 2	2. IF MUL HOW M	TIPLE COMPL	.,	23. INT	ERVALS LLED BY	ROTARY TOOL	8	CABLE TOOLS
5805 ' 24. PRODUCING INTER		668'	remon mor	D. POSTONA	NAME ()	(D AND TWD)		<u> </u>	->	0-5805 '		
	68' - Hone			P, BUTTOM	, NAME (S	ID WND TAB)		;			Zi	5. WAS DIRECTIONAL SURVEY MADE NO
26. TYPE ELECTRIC A	ND OTHER LOGS	RUN	·								27. ₩	AS WELL CORED
DIL, CNL	-FDC						*					Yes
28.		: -				ort all string	s set i					
9-5/8	WEIGHT, LB	./FT.	1419.9		_	LE SIZE	1,00			RECORD		AMOUNT PULLED
3 3/0	-	·	1417.5		12-1	74		Regul		Lite & 27		
5-1/2	15.5 & 1	.7	5803.8	37	8-3	74				Pozmix		
					-[<u> </u>	-			100111211		3
29.		LINE	R RECORD)				30.		TUBING RECO	RD	
SIZE	TOP (MD)	BOTT	om (md)	SACKS C	EMENT*	SCREEN (M	(D)	SIZE		DEPTH SET (MD	i	PACKER SET (MD)
-100 kg i ig			····	ļ	0 7 52000	<u> </u>		2-7/8	3	4466.34		
31. PERFORATION REC	ORD (Interval.	ize and	number)	<u> </u>	<u>_</u>	1 82.	1	TD GTTOM	777.40			
						DEPTH IN				TURE, CEMENT		
4558'-4568'	– two ho	les	per foo	t		4558-4				gallons 1		
								1 1				
•												
10.4						<u> </u>		·				
33.* DATE FIRST PRODUCT	ION PROI	OUCTION	METHOD ()	Flowing, o		UCTION imping—size	and to	une of nun	n e)	l werr e	TA TITLE	s (Producing or
	1	Flow			,		w v,	po o, pun	ν ρ)	8hut-	-in) t-1	original of the second
DATE OF TEST	HOURS TESTED		HOKE SIZE		N. FOR	OIL-BBL.		GAS-M	CF.	WATER-BBL.		GAS-OIL RATIO
6-5-83	33		13/64	TEST	PERIOD	ŀ			i .		\ \	
LOW. TUBING PRESS.	CASING PRESSU	JRE C	ALCULATED 4-HOUR RAT			GAS-			WATER-	—BBL.	OIL G	RAVITY-API (CORR.)
650 34. disposition of g	740	r fuel	nented etc.)		573	<u> </u>	0	<u> </u>	4	
Vented	(NOTW) HOUL JU	· 100 C P 7	, , , , , , , , , , , , , , , , , , , ,	•						TEST WITNESS	1300 B3	X
35. LIST OF ATTACHS	MENTS		100							<u> </u>		·
e de face					•	•				Table 1		• :
36. I hereby certify	that the forego	ng and	attached in	nformation	n is comp	ete and corr	ect as	determine	ed from	all available re-	cords	
SIGNED	CII 2		24192			Director	. Р	etrole	um Ei	10	Tir	ne 7 1983

NSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions. If no filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top s), bottom (s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See Instruction for items 22 and 24 above.) 19cm 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Honaker Trail Honaker Trail Honaker Trail Honaker Trail 4017' Upper Ismay 5432' Ismay Shale 5485' Lower Ismay 5520' B Zone Desert Creek 5677' Akha Salt 5806'	NO.	TESTED, COSHION	USED, TIME YOUR O	JEEN, FLUWING AND SHUL	TOTAL TESTAND, COSTILOR USED, TIME YOUR, O'EN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			
Honaker Trail Wher Ismay Shale Shal	FORMATION	TOP	воттом	Q	DESCRIPTION, CONTENTS, ETC.		TO	ь
Honaker Trail Upper Ismay Ismay Shale Lower Ismay B Zone Desert Creek Akha Salt						NAME &	MEAS. DEPTH	TRUE VERT. DEPTH
Upper Ismay Ismay Shale Lower Ismay B Zone Desert Greek Akha Salt						Honaker Trail	4017	
Ismay Shale Lower Ismay B Zone Desert Creek Akha Salt			.: :				5432	
Lower Ismay B Zone Desert Creek Akha Salt				3		Ismay Shale	5485	
B Zone Desert Creek Akha Salt			w			Lower Ismay	55701	
Desert Creek Akha Salt				···		B Zone	5620	:
Akha			:	·		Desert Creek	5677	
Salt						Akha	5773	
		,,				Salt	5806	
	-		•					
		í				~		
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	₹ · · · ·			-	· ·			
	TION							
				all collections		****		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

(O-er in	TRIPLICATE* structions on se side)
!	5. LEASE DESIGNATION AND SERIAL
1	U-39254
•	6. IF INDIAN, ALLOTTES OR TRIBE N.

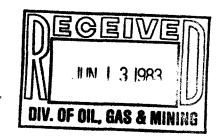
	······································							บ-39254	
	SUND!	RY NOTI	CES A	AND REP	PORTS en or plug " for such p	ON WELLS back to a different reservoir.		6. IF INDIAN, ALLOT	TES OR TRIBE NAME
	OIL XX WELL	OTHER	,					7. UNIT AGREEMENT	NAME
2. !	NAME OF OPERATOR		<u>}</u>					8. FARM OR LEASE N	AME
C	Celsius Energy	Company	# 25 24					Ucolo	
-	ADDRESS OF OPERATOR			· · · · · · · · · · · · · · · · · · ·				9. WELL NO.	
F	P. O. Box 458,	Rock Spri	ings,	WY 8290)2		Ī	1	
	LOCATION OF WELL (Repose See also space 17 below.) At surface	ort location cle	early and	d in accordance	ce with any	State requirements.*		10. FIELD AND POOL, Wildcat	OR WILDCAT
ν.	TI OII 1050 T TT	. 1/00 !	DOT				İ	11. ABC., T., R., M., OI	BLE. AND
. 17	W SW, 1250' FW	L, 1480	FSL					SURVEY OR ASS	
					•		.	3-36S-26E, S	
	PERMIT NO. API 43-037-3087	4	15. \$1.2	GR 6055	whether by KB 6	, at, da, etc.) 0067.70		12. COUNTY OF PARIS	Utah
16.		Check App	propriat	te Box To I	ndicate N	lature of Notice, Report	, or O	ther Data	
	Not	ICE OF INTENT	TON TO:				UBSEQUI	ENT ESPORT OF:	
	TEST WATER SHUT-OFF	Pr	III.L OR A	LTER CASING		WATER SHUT-OFF]	
	FRACTURE TREAT		- }	COMPLETE		FRACTURE TREATMENT	. —	REPAIRING ALTERING	
	SHOOT OR ACIDIZE	AI AI	BANDON*			SHOOTING OR ACIDIZIN		ABANDONM	
	REPAIR WELL	ct	HANGE PI	LANS				al History	xx
	(Other) (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)							on Well	
17. D	ESCRIBE PROPOSED OR CO proposed work. If we nent to this work.) *	MILETED OPER	ATIONS (Clearly state led, give subs	all pertinen urface locat	t details, and give pertinent ions and measured and true	4		
2	.0 30 mins, ISI	120 mins recover	, FO ed 60	240 mins	FSI 3	break 4829-4838' 60 mins, 1st open , IHP 2284, IOFP'	weak	. no gas to s	urface.
I i	0 30 mins, ISI	120 mins gas to su	, FO rface	47 mins, e, recove	FSI 36	break 5732-5740' o O mins, 1st open o mud, IHP 3828, IO	weak.	2nd open wea	k. dead
R	eleased Rig Mid	dnight Ma	ıy 19,	1983.					
R	igged up workov	ver rig M	lay 24	, 1983.					
						foot as follows:			
L 8	anded 5½" 0D, 1 10 sacks 50-50	15.5# & 1 .Pozmix A	7#, K	7-55, 8 r ment in p	d thrd, lace at	LT&C casing at 58 10:30 A.M., 5/19	803.8° /83.	7' KBM, cemen	ted with
L	anded 2 - 7/8" OI	0, 6.5#,	J-55,	8 rd th	rd, EUE		('KR) CE	7 1983	
18. I	hereby certify that the	foregoing is	true and	correct					
	IGNED Q. J.	Maren	<i></i>		TLE Dr	illing Superint	UIL.	DATE JUHE	1, 1983
	This space for Federal	or State office	use)	· · · · · · · · · · · · · · · · · · ·					
	APPROVED BY	OVAL, IF AN	TY:	T	ITLE			DATE	

CORE LABORATORIES, INC. Petroleum Reservoir Engineering

CORE ANALYSIS REPORT

FOR

CELSIUS ENERGY COMPANY



UCOLO NO. 1 WELL
UCOLO FIELD
SAN JUAN COUNTY, UTAH

CORE LABORATORIES, INC. Petroleum Reservoir Engineering

DALLAS, TEXAS

CELSIUS ENERGY COMPANY UCOLO NO. 1 WELL UCOLO FIELD

SAN JUAN COUNTY, UTAH

DATE ON : 17-MAY-83

FORMATION : LOWER DESERT CREEK

DRLG. FLUID: WBM

LOCATION : NW SW SEC. 3-T36S-R26E

FILE NO : 3803-3265
LABORATORY: FARMINGTON

ANALYSTS : GG;DS

ELEVATION : 6068 KB

FULL DIAMETER ANALYSIS--BOYLE'S LAW POROSITY

·SAMPLE NUMBER	DEPTH FEET	PERM MD MAX Ka	PERM MD 90DEG Ka	He FOR	OIL% PORE		GRAIN DEN	DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12	5708.0-23.0 5723.0-30.0 5730.0-31.0 5731.0-32.0 5732.0-33.0 5733.0-34.0 5734.0-35.0 5735.0-36.0 5735.0-38.0 5737.0-38.0 5739.0-40.0 5740.0-41.0 5741.0-42.0 5742.0-57.0	<0.01 <0.01 0.01 0.01 0.28 0.13 0.72 0.60 3.5 0.46 0.20 <0.01	** ** <0.01 0.01 0.26 0.12 0.43 0.54 2.9 0.34 ** **	3.7 3.3 1.9 2.6 4.0 3.6 4.4 4.0 3.5 3.3 4.1	2.9 0.0 0.0 3.1 0.0 0.0 2.5 5.3 0.0	59.7 58.8 43.0 16.5 18.7 41.9- 21.5 10.0 21.2- 25.6 20.9 44.2	2.79 2.82 2.85 2.87 2.86 2.86 2.85 2.85 2.86 2.86 2.83	SHALE - NO ANALYSIS ANHYDRITE - NO ANALYSIS DOL BRN VFXLN SL/SHL DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL BRN VFXLN SL/ANHY DOL GRY VFXLN SL/SHL SHALE - NO ANALYSIS

^{**} UNSUITABLE FOR FULL DIAMETER ANALYSIS, CONVENTIONAL PLUG USED.

CELSIUS ENERGY COMPANY

DATE

: 17-MAY-83

FILE NO.

: 3803-3265

UCOLO NO. 1 WELL

FORMATION

: LOWER DESERT CREEK

ANALYSTS

: GG;DS

*** CORE SUMMARY AVERAGES FOR 1 ZONE ***

DEPTH INTERVAL:

5730.0 TO 5742.0

FEET OF CORE ANALYZED :

12.0

FEET OF CORE INCLUDED IN AVERAGES:

12.0

-- SAMPLES FALLING WITHIN THE FOLLOWING RANGES WERE AVERAGED --

PERMEABILITY HORZONTAL RANGE (MD.)

0.00 TO

4.0 (UNCORRECTED FOR SLIPPAGE)

HELIUM POROSITY RANGE (%)

: ` 0.5 TO

OIL SATURATION RANGE (%) WATER SATURATION RANGE (%)

0.0 TO 9.0 TO 100.0 6.0

60.0

SHALE SAMPLES EXCLUDED FROM AVERAGES.

AVERAGES FOR DEPTH INTERVAL:

5730.0 TO 5742.0

AVERAGE PERMEABILITY (MILLIDARC)	ES)	
----------------------------------	-----	--

0.49 0.09

ARITHMETIC CAPACITY GEOMETRIC CAPACITY

5.9

GEOMETRIC PERMEABILITY HARMONIC PERMEABILITY

ARITHMETIC PERMEABILITY

0.02

HARMONIC CAPACITY

1.1 0.26

ERAGE POROSITY (PERCENT)

3.2

AVERAGE TOTAL WATER SATURATION

PRODUCTIVE CAPACITY (MILLIDARCY-FEET)

30.0

(PERCENT OF PORE SPACE)

AVERAGE RESIDUAL OILSATURATION (PERCENT OF PORE SPACE)

1.3

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC. Petroleum Reservoir Engineering

PERMEABILITY VS POROSITY

COMPANY: CELSIUS ENERGY COMPANY

WELL.

: UCOLO NO. 1 WELL

FIELD : UCOLO FIELD

COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL

(UNCORRECTED FOR SLIPPAGE)

POROSITY

PERCENT

HELIUM

HELIUM)

DEPTH	RANGE &	PERMEABILITY MINIMUM MAXIMUM	POROSITY	POROSITY	PERMEABI	LITY AVERA	GES
INTERVAL	SYMBOL		MIN. MAX.	AVERAGE	ARITHMETIC	HARMONIC	GEOMETRIC
5730.0 - 5742.0	1 (+)	0.000 4.0	0.5 4.5	3.2	0.49	0.02	0.09

STATISTICAL DATA FOR FOROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY

WELL : UCOLO NO. 1 WELL

FIELD : UCOLO FIELD

COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD.

HORIZONTAL HELIUM

0.000 TO

POROSITY

: PERCENT (

RANGE USED)

RANGE USED

0.5 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS

5730.0 --5742.0 INTERVAL LENGTH :

12.0

FEET ANALYZED IN ZONE

12.0

LITHOLOGY EXCLUDED : NONE

DATA SUMMARY

POROSITY AVERAGE

PERMEABILITY AVERAGES

ARITHMETIC HARMONIC GEOMETRIC

3.2

0.49

0.02

0.09

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC. Petroleum Reservoir Engineering

DALLAS, TEXAS

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY

WELL

: UCOLO NO. 1 WELL

FIELD : UCOLO FIELD

COUNTY, STATE: SAN JUAN COUNTY, UTAH

GROUPING BY POROSITY RANGES

POROSITY RANGE	FEET IN RANGE	AVERAGE POROSITY	AVERAGE (GEOM.)	PERM. (ARITH)	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.0 - 2.0 2.0 - 4.0 4.0 - 6.0	2.0 6.0 4.0	1.2 3.3 4.1	0.009 0.074 0.394	0.009 0.686 0.450	16.7 50.0 33.3	16.7 66.7 100.0

TOTAL NUMBER OF FEET = 12.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY

WELL

: UCOLO NO. 1 WELL

FIELD : UCOLO FIELD

COUNTY, STATE: SAN JUAN COUNTY, UTAH

GROUPING BY PERMEABILITY RANGES

PERMEABILITY RANGE	FEET IN RANGE	AVERAGE (GEOM.)	E PERM. (ARITH)	AVERAGE POROSITY	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
111 tols 400 MM MM MM MM MM MM MM MM MM MM		***************************************	*** *** *** *** *** *** ***	*** *** *** *** *** **** ****		
0.005 - 0.010	3.0	0.009	0.009	2.5	25.0	25.0
0.010 - 0.020	2.0	0.010	0.010	2.3	16.7	41.7
0.078 - 0.156	1.0	0.130	0.130	3.6	8.3	50.0
0.156 - 0.312	2.0	0.237	0.240	4.1	16.7	66.7
0.312 - 0.625	2.0	0.525	0.530	3.7	16.7	83.3
0.625 - 1.250	1.0	0.720	0.720	4.4	8.3	91.7
2.500 - 5.000	1.0	3.5	3.5	3.5	8.3	100.0

TOTAL NUMBER OF FEET = 12.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY

WELL

: UCOLO NO. 1 WELL

FIELD : UCOLO FIELD

COUNTY, STATE: SAN JUAN COUNTY, UTAH

POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

FOROSITY	FEET	CAPACITY	FEET	CAPACITY	ARITH	MEDIAN
CUT OFF	LOST	LOST (%)	REMAINING	REMAINING (%)	MEAN	
0.0	. 0.0	0.0	12.0	100.0	3.2	3.3
2.0	2.0	6.4	10.0	93.6	3.7	
4.0	8.0	57.7	4.0	42.3	4.1	
6+0	12.0	100.0	0.0	0.0		

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 39.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY

WELL

: UCOLO NO. 1 WELL

FIELD : UCOLO FIELD

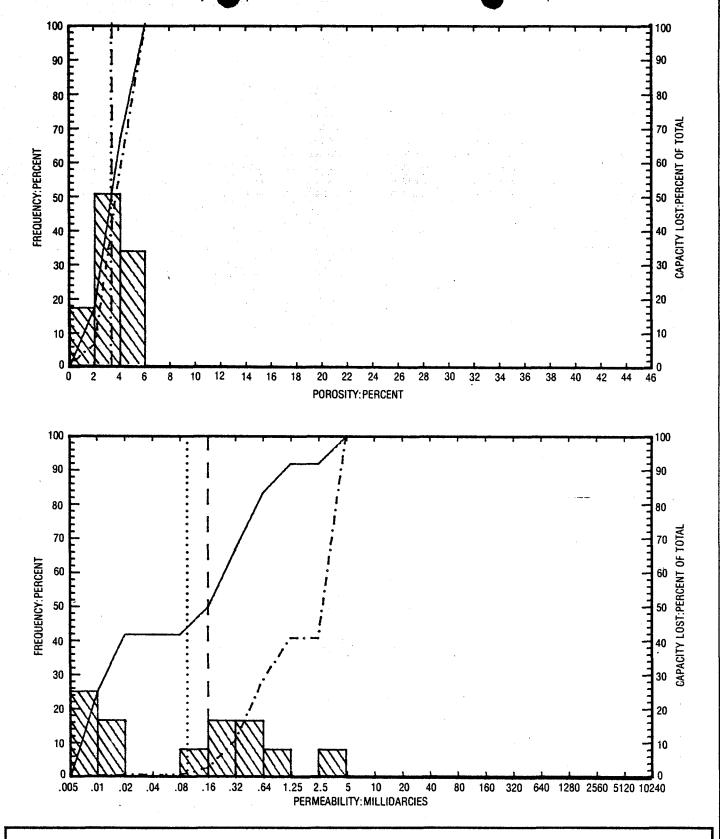
COUNTY, STATE: SAN JUAN COUNTY, UTAH

MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

PE	CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	GEOM MEAN	MEDIAN
,	***************************************	gr00 00 to 2000 ands (0.00 jup)	Men 1444 M21 2010 to 60 6000 pa 20 0012	***************************************			
	0.005	0.0	0.0	12.0	100.0	0.09	0.16
	0.010	3.0	0.5	9.0	99.5	0.20	0.26
	0.020	5.0	0.8	7.0	99.2	0.47	0.37
	0.039	5.0	0.8	7.0	99.2	0.47	0.37
	0.078	5.0	0.8	7.0	99.2	0.47	0.37
	0.156	6.0	3.0	6.0	97.0	0.58	0.44
	0.312	8.0	11.1	4.0	88.9	0.91	0.62
	0.625	10.0	28.9	2.0	71.1	1.59	1.25
	1.250	11.0	41.0	1.0	59.0	3.50	
	2.500	11.0	41.0	1.0	59+0	3.50	
	5.	12.0	100.0	0.0	0 + 0		

TOTAL FLOW CAPACITY IN MILLIDARCY-FEET(ARITHMETIC) =

5.94



PERMEABILITY AND POROSITY HISTOGRAMS

CELSIUS ENERGY COMPANY UCOLO NO. I WELL UCOLO FIELD SAN JUAN COUNTY, UTAH

LEGEND

ARITHMETIC MEAN POROSITY GEOMETRIC MEAN PERMEABILITY MEDIAN VALUE CUMULATIVE FREQUENCY CUMULATIVE CAPACITY LOST

• • • • •	•••••

CORE LABORA	rories, inc.		Petroleum Reservoir Enginee	ring
OMPANY CELSIUS ENERG	Y COMPANY		FILE NO.3803-3265	
ELL UCOLO NO. 1			AY-83 ENGRS GG; DS	
ELD UCOLO			R DESERT CREEKELEV. 6068 KB	
NAUL NAS YTHUO	STATEUTA	H DRLG. FLD. WBM	CORES	
		CORES LO		
	These analyses opinions or interpretations use, this report is made. The interpretation but Core Laboratories, Inc. and its othoris operation or profitableness of any oil gas	6 or opinions expressed represent the best judgment of Core L and employees, assume no responsibility and make no warran or other mineral well or sand in connection with which such re	to whom and for whose exclusive and comidential aborations. Inc. (all errors and ometacone exciscled) yor representations as to the productively, proven our selection or reled upon	
RESISTIVITY PARAM	ETERS: a = 1.00	m =2.00 n =2	.00 Depths 5730.0 to 5742.0	<u>.</u> .
	a =	m = n = _	to	•
PERMEABILITY MILLIDARCIES	DEPTH		CORE ANALYSIS CALCULATED RESISTIV R _o =OHM-METERS AT 100% S _w R _{mp} =OHM-METERS AT CRITICAL S _w	
1000 100 10 1.0	0.1 0.01 FEET		✓ONE OHM-METER REFERENCE FOR R _w = 0.0	١1
	5700		TOTAL STANFALLER RETERENCE FOR RW = 0.0) t
		-		
		-		
	-1			
			\ \	
	5750	-		-
		-		
			}	
	+	-		
	5800	-		



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

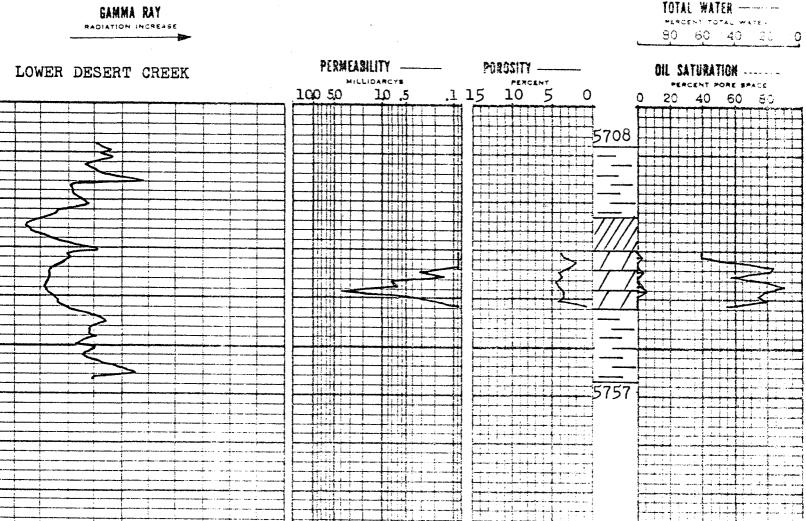
COMPANY	CELSIUS ENERGY	COMPANY FIELD	UCOLO	FILE RP-3-003265
WELL	UCOLO NO. 1	COUNTY	SAN JUAN	DATE 5-17-83
OCATION_	NW.SW SEC.3-36	S-26E STATE_	UTAH	ELEV. 6068 KB

CORE-GAMMA CORRELATION

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR:

COREGRAPH



CORE ANALYSIS RESULTS

for

TRICENTROL RESOURCES, INC.

SOUTHLAND FEDERAL 5-34 WILDCAT SAN JUAN COUNTY, UTAH

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

: LOWER ISMAY

: UTAH

DALLAS, TEXAS

RESCULIRCES * TERCENTROL aliber.

SOUTHLAND FEDERAL 5-34

DRLG. FLUXD: WBM

DATE : 5-16-83

WILDCAT

FILE NO.: RP-3-003264

SAN JUAN COUNTY

LOCATION

FORMATION

ANALYSTS : GG:DS

PAGE NO.

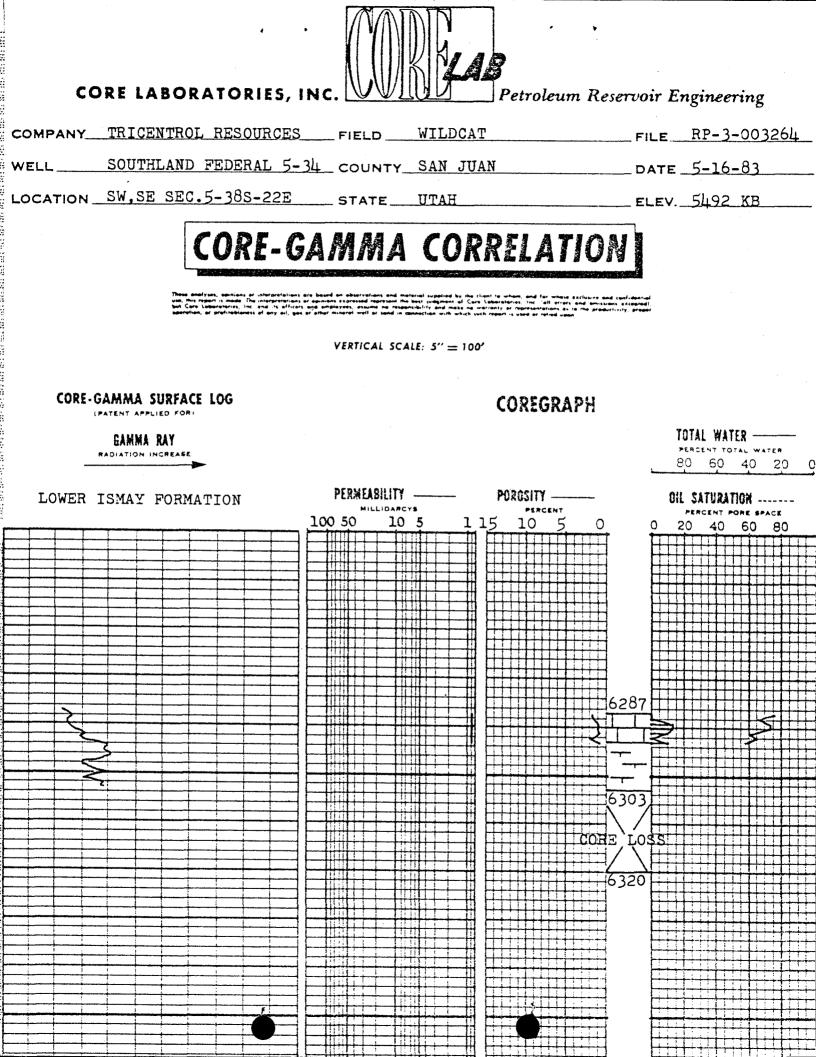
STATE

: SW, SE SEC. 5-385-22E ELEVATION: 5492 KB

FULL DIAMETER CORE ANALYSIS - BOYLE'S LAW HELIUM POROSITY

Aler ,	DEFTH	PERM. TO MAX.	AIR (MD) 90 DEG.	POR.	FLUXD OXL	SATS. WATER	GR. DNS.	DESCRIPTION
1.	6287-88	0.06	0.01	1.5	0.0	23.7	2.71	LM GRY VEXLN .
2.	628889	0.01	<0.01	1.3	0.0	33.5	2.74	LM GRY VEXLN
3	628990	< 0 + 0 1	3 5	0.8	13.2	26.4	2.72	LM GRY VEXLN
4	6290-91	< 0 ⋅ 0 1	< 0 + 0 1	0.9	12.9	25.9	2.72	LM GRY VEXLN
5	6291-92	< 0 + 0 1.	<0.01	0 • 6	9.7	39 * 0	2.71	LM GRY VEXLN
ర	629293	** 0.25	** 0.11	1.8	0.0	34.7	2.74	LM GRY VEXLN
7	6293-94	≤ 0.01	<0.01	0 ₊ ბ	10.3	41.4	2,73	LM GRY VFXLN
	6294-630	3						SHL/LM - NO ANALYSIS
	6303-6320	D						CORE LOSS

SAMPLE UNSUTTABLE FOR FULL DIAMETER ANALYSIS, CONV. PLUG USED. FRACTURE PERMEABILITY



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the foregoing is true and correct SIGNED (This space for Federal or State office use) TITLE DATE TITLE DATE DATE TITLE DATE TITLE DATE DATE DATE TITLE DATE D	1112/124	Sales Sales
Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the foregoing is true and correct SIGNED (This space for Federal or State office use) TITLE DATE TITLE DATE DATE TITLE DATE TITLE DATE DATE DATE TITLE DATE D	AIE:	de la company
Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the foregoing is true and correct SIGNED (This space for Federal or State office use) TITLE TITLE DATE TITLE DATE TITLE DATE TITLE DATE DATE DATE TITLE DATE	1. Physion of	of of a first to the second of the second o
18. I hereby certify that the foregoing is true and correct SIGNED Solution State of Federal or State of	- CAC C MAIN	INC #FFF E SFFE
18. I hereby certify that the foregoing is true and correct SIGNED Solution State of Federal or State of	GAS & WIN	*
18. I hereby certify that the foregoing is true and correct SIGNED Solution State of Federal or State of		8 2 3 8 7 3 6 7 4 9
(This space for Federal or State office use) APPROVED BY	oubsurface safety valve. Mailu. and Type	
(This space for Federal or State office use) APPROVED BY	18. Thereby certify that the forexoing is true and correct	
(This space for Federal or State office use) APPROVED BY		6 5 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6
(This space for Federal or State office use) APPROVED BY	SIGNED Jahr V Samuer TITLE Staff Engineer	r 12-21-83 59 889 7
APPROVED BY TITLE DATE DATE DATE DATE DATE DATE DATE DATE	11166	
APPROVED BY TITLE DATE DATE DATE DATE DATE DATE DATE DATE	(This space for Federal or State offi	ce use)
CONDITIONS OF APPROVAL, IF ANY:		Fasas ea eset
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		\$ 6 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

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'Form 3160-5 November 1983) Formerly 9-331)		STATES	SUBMIT IN TRIPLIC	Bud Expi	res August	No. 1004-0135 31, 1985
ronnerry 9-331)		OF LAND MANAGEME			39254	THE DELLES NO.
CIII		CES AND REPORTS				OR TRIBE NAME
(Do not use this	form for proposa Use "APPLICA"	ls to drill or to deepen or plu TION FOR PERMIT—" for suc	ng back to a different reservoir. h proposals.)	-	· -	
OIL GAS WELL WELL	X OTHER			7. UNIT A	GREEMENT NAS	KE
2. NAME OF OPERATOR				8. FARM C	R LEASE NAM	E .
Celsius E	nergy Compa	iny		Uco1	0	
3. ADDRESS OF OPERATO	B			9. WELL 1	ro.	
P. O. Box	458, Rock	Springs, Wyoming	82902		1	100
 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 					10. FIELD AND POOL, OR WILDCAT UCO10	
NW SW 1480'	FSL, 1250	' FWL		SUA	r, R., M., OR BI VEY OR AREA	
14. PERMIT NO.		15. ELEVATIONS (Show whether	DE DE CD eta)		S-26E.,	
43-037-308	7.4	KB 6067.701	GR 6055		Juan	Utah
43-037-308						00011
16.	Check App	propriate Box To Indicate	Nature of Notice, Report, o	r Other Data	1	
	NOTICE OF INTENT	ion to:	SUBS	EQUENT REPORT	OF:	
TEST WATER SHUT-0	PT PT	LL OR ALTER CASING	WATER SHUT-OFF		REPAIRING W	BLL
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT					ALTERING CAS	BING
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING					ABANDONMEN	r•
REPAIR WELL	CI	HANGE PLANS	(Other)			
(Other) Make 3	(Other) Make 30-day production test X (Nor: Report results of n					
17. DESCRIBE PROPOSED O proposed work, If nent to this work.)	R COMPLETED OPER well is direction	ATIONS (Clearly state all pertinally drilled, give subsurface le	nent details, and give pertinent da ocations and measured and true ver	tes, including e tical depths for	stimated date all markers	of starting any and sones perti-

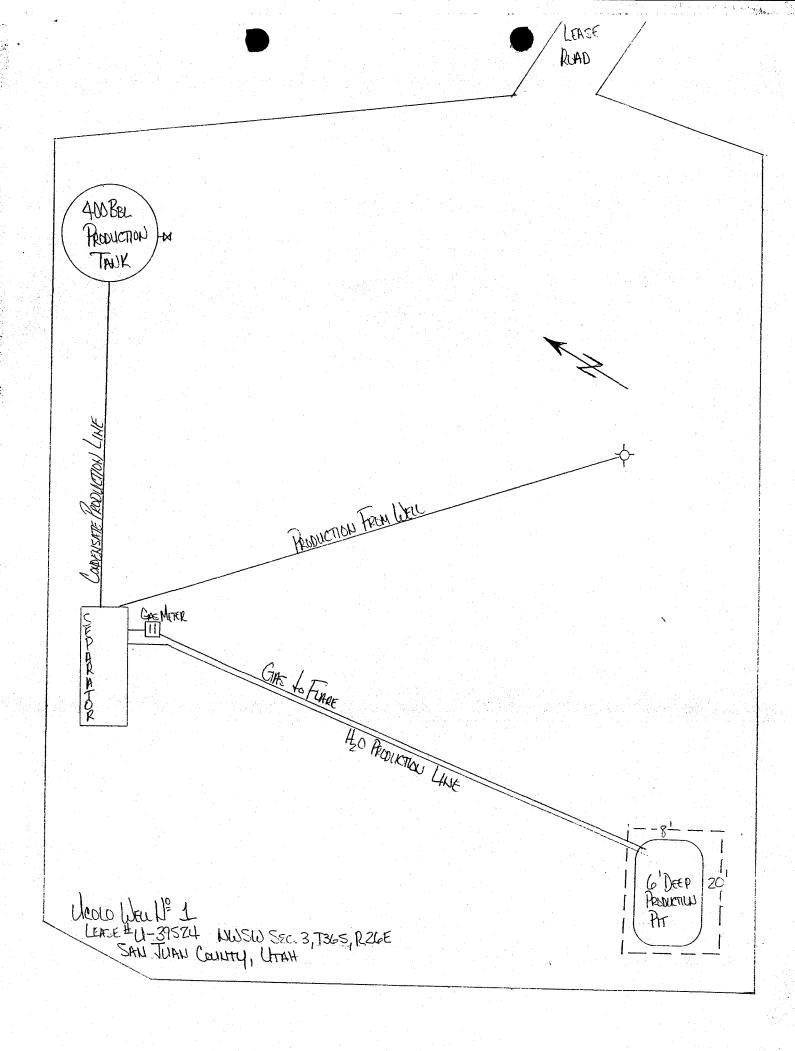
We request permission to conduct a 30-day production test and install temporary production equipment consisting of one production unit, one 400-barrel frac tank and surface piping as per attached drawing. An 8' x 20' x 6' pit will be dug for containment of any produced water which will average less than five barrels per day. All gas produced on test will be measured and flared at the well location. All liquid hydrocarbons produced will be sold at the well and transported by truck. After completion of the production test, all surface equipment will be removed from the well location and the production pit covered.

ACC EPTED

OT 2 1 1984

RECEIVED

APPROVED BY THE ST	TATE		OC1 5 4 1204			
OF UTAH DIVISION OIL, GAS, AND MINI	OF		DIVISION OF O	IL G		
BY: John R. Dage				al of this action ore commencing		
18. I hereby certify that the foregoing is true and correct SIGNED	rITLE	District I	Foreman	DATE October	22,	1984
(This space for Federal or State office use)						
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	ritle			DATE		·
@ Gas Floring must comply	wit	h Rule	C-27 (att	ached),		
*See i	Instructio	ons on Reverse	Side			
Title 18 U.S.C. Section 1001, makes it a crime for any trained States any falce. Heritians or fraudulent statements	person k	nowingly and wi	illfully to make to any one to any matter within	department or agen	cy of	the



Burnet Carlotte Carlotte Control Control Control Control	months and the second of the s	to the transmission of the fine section in the section of the sect	Form approved
Form 3160-5 (November 1983)	UNITED STATE	(()ther instruction	Budget Bureau No. 1004-0135 Expires August 31, 1985
(Formerly 9-331)	EPARTMENT OF THE I	NTERIOR verse alde)	5. LEASE DESIGNATION AND SERIAL NO.
	BUREAU OF LAND MANA	GEMENT	ี บ−39254 ธัฐ
CHAIDD	V NOTICES AND DED	ODTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	Y NOTICES AND REPO		1120co
Use	"APPLICATION FOR PERMIT—"	or plug back to a different reservoir for such proposals.)	02 0609
1.			7. UNIT AGREEMENT NAME
WELL GAS WELL X	OTHER		1. 可 <mark>有的————</mark> 基金基础
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Celsius Energy Co	ompany		Ucolo
3. ADDRESS OF OPERATOR		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9. WELL NO.
P. O. Box 458, Re	ock Springs, Wyoming	82902	1 1
4. LOCATION OF WELL (Report	t location clearly and in accordance	with any State requirements.	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface			Wildcat
NW SW, 1189' FWL	. 1439¹ FSL		11. SEC., T., R., M., OR BLK. AND
200 200 200	, 1,35 152		SURVEY OR AREA
			3-36S-26E
14. PERMIT NO.	15. ELEVATIONS (Show	whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
43-037-30874	KB 6067.70	GR 6055'	San Juan Utah
16.	Check Appropriate Box To In	dicate Nature of Notice, Repo	rt, or Other Data
NOTIC	E OF INTENTION TO:	1	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMEN	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZ	
REPAIR WELL	CHANGE PLANS	(Other)	ABANDONMENT
(Other) See Be		V (NOTE: Repor	t results of multiple completion on Well
		t wat piction of	Recompletion Report and Log form.) at dates, including estimated date of starting any
proposed work. If well nent to this work.) *	is directionally drilled, give subst	rface locations and measured and tru	e vertical depths for all markers and zones perti-
neno de delle volui,			
	•		
The above cantion	ned well is a shut-in	res well. The well i	s completed in the Honaker
		4558-4568'. The well	
			gh in Nitrogen to be able
		d so the well was shut	
		n until an inexpensive	
	e well stream can be		9
	e at 307-382-9791.	round: Should there b	e any questions,
prease contact m	c ac 307 302-3731.		
		•	
		rangering To a constitution of the constitutio	
		* 9	
			1 18 OF 100 - 11 11
		ے.	JAN 0 5 1987
			DIVISION OF
			OIL, GAS & MINING
/.			

*See Instructions on Reverse Side

TITLE

SIGNED

(This space for Federal or State office use)

APPROVED BY ______CONDITIONS OF APPROVAL, IF ANY:

TITLE Director Pet. Eng.

2/3/87

DATE

DATE

Form 3160-5 (November 1983) (Formerly 9-331)	UNITED S DEPARTMEN OF BUREAU OF LAND	THE INTERI		Form approve Budget Burea Expires Augu 5. LEASE DESIGNATION U-39254	u No. 1004–6135 st 31, 1985
SUN (Do not use this	NDRY NOTICES AND s form for proposals to drill or use "APPLICATION FOR PEI	REPORTS	Way Elipsy Color	6. IF INDIAN, ALLOTT 035	2516
OIL GAS WELL 2. NAME OF OPERATOR	X OTHER	777	MAR 21 1988	8. FARM OR LEASE N	GW/HNKKT
Celsius Ener	<u> </u>		Division of ML, GAS & MINING	Ucolo 8. WELL NO.	
4. LOCATION OF WELL (See also space 17 be At surface	Report location clearly and in ac			Wildcat 11. SEC. T. R., M., O	R BLE. AND
NW SW, 1189	FWL, 1439' FSL	s (Show whether DF,	RT, GR, etc.)	3-36S-26E 12. COUNTY OR PART	
43-037-30874		7.70' GR 60'	and and transmitted to the second of the sec	San Juan	Utah
16.	Check Appropriate Bo	x lo Indicate N	ature of Notice, Report,	, or Other Data	•
The above ca Trail Format June, 1983. content to c until an ine The well's p	MULTIPLE COMP ABANDON* CHANGE PLANS Below OR COMPLETED OPERATIONS (Clear if well is directionally drilled, g	It state all pertinentive subsurface locate that in gas very all of 4558' red 573 MCFP contract. Coremoving nite reviewed in	Completion or R details, and give pertinent ions and measured and true well. The well is - 4568' KBM. The O of gas, the gas elsius Energy requ trogen from the we in 1987, and the co	results of multiple completicecompletion Report and Log dates, including estimated evertical depths for all marks are well was flow the well was flow the was too high in uests a long termell stream can be oncensus is that	casing dent* on on Well form.) late of starting any ers and zones perti- e Honaker ested in nitrogen shut-in found.
	·				
18. I hereby certify the	It the foregoing is true and corr		strict Manager	DATE Mar	ch 18, 1988
(This space for Fed	deral or State office use)				

*See Instructions on Reverse Side

Form 3160-5 UNITED STATES	SUBMIT IN TRIPLICATE.	Form approved. Budget Bureau No. 1004-0135 Expires August 31 1085
(Formerly 9-331) DEPARTMENT OF THE INTER		5. LEASE DESIGNATION AND SERIAL NO.
BUREAU OF LAND MANAGEMEN	VT	U-39254
SUNDRY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for proposals to drill or to deepen or plug Use "APPLICATION FOR PERMIT—" for such	proposals.)	
OIL GAS X OFFER		7. UNIT AGREEMENT NAME
WELL WELL A OTHER 2. NAME OF OPERATOR	A STANSON	8. FARM OR LEAST NAME
Celsius Energy Company	(ICARA SIII)	Ucolo
3. ADDRESS OF OPERATOR	FED (10 1000	9. WELL NO.
P. O. Box 458, Rock Springs, Wyoming 82	902FEB U 9 1989	10. FIELD AND POOL OR WILDCAT
See also space 17 below.) At surface	DIVISION OF	Wildcat
. •	OIL, GAS & MINING	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW SW, 1189' FWL, 1439' FSL		
14. PERMIT NO. 15 ELEVATIONS (Show whether	DF ST OR etc.)	3-36S-26E 12. COUNTY OR PARISH; 13. STATE
	6055'	San Juan Utah
The second secon	The second of th	
16. Check Appropriate Box To Indicate	W.	
<u></u>	<u></u>	TENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING PRACTURE TREAT NULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING WELL ALTERING CASING
SHOOT OR ACIDIZE ABANDON®	SHOOTING OR ACIDIZING	ABANDON MENT*
REPAIR WELL CHANGE PLANS	(Other)	
(Other) See Below X	Completion or Recompl	of multiple completion on Well etion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETE: OPERATIONS (Clearly state all perting proposed work. If well is directionally drilled, give subsurface longer to this work.)	ent details, and give pertinent dates, cations and measured and true vertice	including estimated date of starting any all depths for all markers and zones perti-
The above captioned well is a shut-in gas		
Trail formation over the interval of 4558	= 4568 feet KBM. The	well was flow tested in
June, 1983. When the well flowed 573 MCF	PD of gas, the gas was	too high in nitrogen
content to obtain a Gas Sales Contract.	Celsius Energy Company	requests a long term
shut-in until an inexpensive method of refound. The well's performance has been r	moving nitrogen from t	he well stream can be
found. The well's performance has been r well should remain shut-in and re-evaluat	eviewed in 198/, and the	he concensus is that the
The state of the s	ed again in the near 1	acure.
·		
		-
18. I hereby certify that the foregoing is true and correct		
	District Manager	DATE 2/6/89
		UAIR
(This space for Federal or State office use)	•	• • • • • • • • • • • • • • • • • • •
APPROVED BY		DATE

*See Instructions on Reverse Side

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Form: 3160-5	HPECEU.	STATES	SUBMIT IN TRIP	B		No. 1004-0135
(November 1983) (Formerly 9-331)	DEPARTME		() by hom	re	EDITES AUGUST	31, 1385 AND BERIAL NO.
	BUREAU ÓF LAN	D MANAGEMENT		U-3	9254	
SUND	RY NOTICES AN	D REPORTS OF	N WELLS	6. IF I	DIAN, ALLOTTEE	OR TRIBE NAME
(Do not use this fo	rm for proposals to drill of See "APPLICATION FOR P	r to deepen or plug back ERMIT—" for such prop	t to a different reservoir	•		
1.		585	2050000		AGREEMENT NA	ME XE
OIL GAS X	OTHER	[0]	2(CIEINA)	5 100		
2. NAME OF OPERATOR	0014045111	<i>M</i> 5	(3	8. FAR. UCO	OR LEASE NAM	E
CELSIUS ENERGY 3. ADDRESS OF OPERATOR	COMPANY		JAN 25 1990	9. Wald		
1125 17th Stre	et. Suite 2240.	Denver, Colora	do - 80202	1		
4. LOCATION OF WELL (Rep. See also space 17 below.	et, Suite 2240, ort location clearly and in				LD AND POOL, OF	WILDCAT
At surface			OIL, GAS & MINING	<u> </u>	dcat	
MLI/A CLI/A 11	001 EUL 1/201 E	:cı		11. 8.00	URVEY OR ARMA	LE. AND
NW/4 SW/4 11	89' FWL, 1439' F	-SL		3 -	36S - 261	E
14. PERMIT NO.	15. ELEVATION	ONS (Show whether DF, RT	, GR, etc.)	12. cou	NTY OR PARISH	13. STATE
43-037-30874	KB 606	57.70' GR 60)55'	San	Juan	UTAH
16.	Check Appropriate B	ox To Indicate Nati	ure of Notice, Repor	t, or Other Da	ita .	•
TON	ICE OF INTENTION TO:			SUBSEQUENT EEPO	RT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER	CASING	WATER SHUT-OFF		REPAIRING W	ELL
FRACTURE TREAT	MULTIPLE COM	PLETE	FRACTURE TREATMEN	T	ALTERING CA	BING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZE	NG	ABANDON MEN	T*
REPAIR WELL	n of Temporary S	I——I	(Other) (Norm: Report	results of multip	ole completion o	D Weil
			Completion or leads, and give pertinen	Recompletion Report dates, including	estimated date	m.)
17. DESCRIBE PROPUSED OR CO proposed work. If we nent to this work.) *	ell is directionally drilled,	give subsurface locations	and measured and true	vertical depths	or all markers	and sones perti-
The above-cap A. O. until 2	tioned well has /29/1990.	been approved	for Temporary	Shut-In sta	atus by th	ne
June of 1983, Contract. Th are still bei from the well an extension	ompleted in the was found to be well flowed cong conducted to stream. Until of the long-term luations can be	e too high in nommercial quant find an inexpe such time, Cel shut-in statu	itrogen conten ities of gas (nsive method o sius Energy re s be approved	t to obtain 573 MCFPD) f removing spectfully for this we	n a Gas Sa and evalu the nitro requests all. so	ales uations ogen that
			•			
•				OIL AND) GAS	
•			•	DRN	BJF	
				JRB /	GLH	
	•			DTS	SLS	
				1010		
10 7 hands about					·	
18. I hereby certify that the	toregoing is true and corr		0	Q. TAS	\//	1
SIGNED 77	13 gien	_ TITLE Manag	<u>er -Operations</u>	3- MICRO	FRN 1/22	190
(This space for Federal	or State office use)			DI FIL		
APPROVED BY		_ TITLE				•
CONDITIONS OF APPR	OVAL, IF ANY:					

Form 3160-5 (June 1990)

Approved by _______ Conditions of approval, if any:

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



SEP 1 3 1993

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

DIVISION OF 5. Lease Designation and Serial No.

SUNDRY NOTICES	S AND REPORTS ON WELLQIL, GAS & MINI	U-39254			
Do not use this form for proposals to o	Irill or to deepen or reentry to a different receiver	6. If Indian, Allottee or Tribe Name			
Use "APPLICATION FO	DR PERMIT—" for such proposals	NA			
SUBMI	SUBMIT IN TRIPLICATE				
1. Type of Well					
Oil Gas Well Other P&A		NA			
2. Name of Operator	8. Well Name and No. UCOIO No. 1				
CELSIUS ENERGY COMPANY					
3. Address and Telephone No. 1125 17th Street, Suite 2240), Denver, CO 80202 303-296-8945	9. API Well No. 43-037-30874			
4. Location of Well (Footage, Sec., T., R., M., or Survey I	Description)	10. Field and Pool, or Exploratory Area Wildcat			
NWSW Section 3, T36S, R26	E	11. County or Parish, State			
1189′ FWL and 1439′ FSL	:	11. County of Parish, State			
1,320, 1480,		San Juan, UT			
12. CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent	Abandonment	Π.			
	Recompletion	Change of Plans			
Subsequent Report	Plugging Back	New Construction Non-Routine Fracturing			
	Casing Repair	Water Shut-Off			
Final Abandonment Notice	Altering Casing	Conversion to Injection			
	Other P&A	_ Dispose Water			
13 Describe Proceed of Co. L. 10		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
give subsurface locations and measured and true verti	II. Ill pertinent details, and give pertinent dates, including estimated date of starting cal depths for all markers and zones pertinent to this work.)*	any proposed work. If well is directionally drilled			
Ceisias completed plugging of	perations on the Ucolo No. 1 well on 8/2	9/93 as follows:			
1. Set CIBP at 4.450'. Du	umped 6 sx cement on CIBP. Tested to	1000:			
	g gun 5 holes in 1' at 1,470' to 1,471'.	1000 psi.			
3. Set cement retainer at	9 9un 3 noies in 1 at 1,470 to 1,471,				
on top.	tandard 15.8#\gallon cement below retain	ner and dump 4 sx cement			
5. Cut 9-5/8" and 5-1/2"	onein a				
The second secon					
Welded cap and installed	ed marker.				
Location will be reclaimed to	RI M specifications				
Location will be reclaimed to	bein specifications.				
4. I hereby certify that the longoing is true and correct					
Signed Jarre	District Manager	September 8, 1993			
(This space for Federal of State office use)	Title	Date			
•					

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.